

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JANUARY 5, 1867.

No. 336.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns are less satisfactory than they have been of late. In the week terminating on Saturday, the 5th instant, 1,439 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the respective numbers were 1373 and 1281. The proportion of deaths to cases, 1 in 14, proved unusually high, higher than in any preceding week since the returns were first printed in August, 1860. This proves demonstratively with what fearful severity the severe frost of the early days of January told upon the poor; we are the more certain that it really did so from the fact that the total number of deaths (267) registered during the week was not excessive. As a general rule the deaths which occur among those of the poor, who are attended gratuitously in public practice do not average more than about 1·5th of the total number registered in the town; last week, however, the deaths among patients of this class rose to nearly 2·5ths. It may be hoped that the attention of the authorities of our hospitals and workhouses may be directed to this excessive mortality among the poor, and that every care may be taken that wards and waiting rooms at these institutions are thoroughly warmed.

The Fever return though somewhat more satisfactory than last week is still high, no fewer than 97 new cases being recorded.

As might be expected likewise we observe this week a material increase in the number of new cases of Bronchitis and kindred Affections of the Chest. In the two preceding weeks 236 and 246 new cases were respectively returned, last week the number rose to 317.

No other disease prevailed to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

In the week ending on Saturday, January 5th, 267 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the numbers were 274 and 250; and in the corresponding week of last year 300. Eighty-nine deaths are attributed to Diseases of the Lungs, 15 to Scarlatina, and 14 to Fever.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 178.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 25·2°; at the Royal Infirmary, it was 30·8°; at Old Trafford, 27·4°; and at Eccles, 27·3°. The lowest night temperature at Greenwich was 6·6°, but at the Infirmary the thermometer never fell below 22·3°. At Penketh, one of our outlying stations, it was as low as 10·4°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment D

MANCHESTER															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	2	3	..	5	..	..	..	..	..	2	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	2	..	..	..	3	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	1	1	..	1	4	..	..	3	..	..	..	5	5
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Continued Fever.....	a3	b1	b5	2	c3	1	15	41	..	..	..	d2	4	1	..
Erysipelas .....	..	1	1	..	..	..	2	..	..	..	..	1	2	..	..
Rheumatism .....	..	..	..	1	..	..	1	10	2	12	1	3	2	..	2
Neuralgic Affections.....	..	..	..	..	..	..	..	..	1	2	..	..	..	1	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	5	..	11	..	..	..	..	..
Phthisis .....	..	1	..	..	..	1	2	7	..	20	2	3	1	1	..
Insanity .....	..	1	..	..	..	..	1	7	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	10	..	4	6	16	39	26	..	35	1	7	7	4	8
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	15	..	3	..	1	1	1	..
Skin Diseases.....	3	1	..	..	..	..	4	..	..	13	..	..	..	1	10
Dyspepsia .....	..	..	..	..	1	..	1	..	..	18	..	..	..	..	7
Atrophy and Anæmia. ....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	20	10	9	5	4	7	55	62	45	199	7	4	8	18	12
TOTAL	29	26	16	15	17	27	130	174	48	319	11	22	28	35	45

a Typhus, removed to Workhouse. b 1 Febricula. c Removed to Workhouse. d 1 Typhus and 1 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. T. J. WEBSTER.	(11) „ C. J. CUNNINGWORTH,	(15) „ J. OGDEN.
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE.

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-d medical relief to the workhouse, and are then reported twice over this fact has several times been not

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 5th day of January, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.	
1,329				477			646		508.	2650					
70,967.				68,209			44,850		21739	24,448					
Regent Road.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.		Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Work house.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.							
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	1	..	..	..	2	7	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Chicken-pox .....	..
..	..	..	..	..	1	..	..	2	..	..	6	17	..	Measles	1
..	..	2	..	1	..	..	..	..	1	..	..	6	14	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	2	..	..	..	7	27	Whooping-cough ....	..
..	1	..	..	..	..	..	..	..	..	..	..	1	..	Croup .....	..
1	..	2	6	..	..	..	..	..	..	..	3	34	21	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	..	1	4	Dysentery .....	..
2	4	9	..	3	3	5	2	..	..	2	f2	97	83	Continued Fever	9
..	..	4	..	..	..	..	..	..	..	1	..	10	7	Erysipelas .....	..
1	1	6	..	1	..	..	2	1	2	3	5	59	78	Rheumatism .....	..
1	..	..	..	..	..	2	..	..	..	1	2	13	14	Neuralgic Affections ..	..
..	..	2	1	..	..	..	..	1	..	2	3	29	31	Constitutional Syphilis	..
..	..	9	..	..	..	1	3	1	2	2	6	60	60	Phthisis	11
..	1	..	..	..	..	..	..	..	..	..	..	10	7	Insanity .....	..
1	5	35	3	15	8	3	10	6	12	16	39	291	215	Bronchitis, Influenza, and Catarrh.....	24
..	..	1	..	..	..	1	..	..	..	3	..	26	18	Pleurisy & Pneumonia.	6
1	3	16	..	2	..	..	..	..	..	2	8	63	72	Skin Disease.....	..
1	..	15	..	..	..	..	2	1	..	3	5	56	73	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	1	2	2	Atrophy and Anæmia..	..
5	5	95	1	5	6	5	4	33	10	30	41	654	610	Accidents and diseases not classified.....	47
3	20	196	11	27	18	17	23	48	27	65	121	1439	1343	.... TOTAL	100

e 1 Removed to Workhouse.

f Typhus.

ebted for the annexed Returns.

17) Dr. T. M. JOHNSON,
18) ..
19) .. J. O. BRADBURY,
20) Dr. BRADLON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) .. J.V.L. WESTMACOTT,
(27) .. JOHN A. EATOCK,
(28) .. S. WOODCOCK,

reports of the Association, and has as far as practicable, been taken into account in the conclusion from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowe.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tushp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	1	..	..	2	2	..	12	1
Measles	2	1	1	2	..	1	..	..	2	2	1	3	24
Whooping-cough.....	1	1	..	..	..	..	1	..	1	2	1	15	3
Scarlatina	5	2	1	2	..	..	1	..	..	..	1	2	6
Diarrhœa .....	..	..	..	..	..	..	1	..	..	1	..	14	16
Fever	3	1	4	6	1	..	2	1	..	1	..	89	95
Diseases of the Lungs	11	12	13	8	5	14	1	4	7	7	5	132	155
Other causes.....	15	9	20	4	8	12	16	8	13	19	8	267	300
TOTAL NO. OF DEATHS.	37	26	39	17	14	27	21	13	25	31	17	267	300
TOTAL NO. OF BIRTHS.	49	28	10	12	14	25	19	16	31	35	27	266	287

a 2 Typhus, 1 Typhoid and 1 Gastric. b Gastric. c Typhus. d 2 Inquests. e 1 Inquest. f 1 Carbuncle.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL.	DISEASE.	5 Weeks ending 29th Sep.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	TOTAL
4	22	18	44	..... Small-pox.....	3	17	13	33
6	11	6	23	..... Chicken-pox	2	..	9	11
42	21	35	98	..... Measles	31	42	69	142
45	35	21	101	..... Scarlatina.....	64	36	34	134
2	2	4	8	..... Diphtheria .....	..	..	..	..
34	39	41	114	.... Whooping-cough	17	18	19	54
1	1	2	4	..... Croup.....	2	1	4	7
1150	568	423	2141	..... Diarrhœa	2567	389	205	3161
6	3	..	9	..... Dysentery.....	15	10	6	31
22	10	1	33	..... Cholera	5	..	..	5
19	20	15	54	..... Erysipelas.....	26	16	27	69
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
14	9	9	32	..... Insanity	41	53	24	98
539	751	842	2132	.. Bronchitis and Catarrh..	710	911	908	2529
11	12	9	32	..... Pleurisy	60	66	91	217
21	32	28	81	..... Pneumonia .....	..	..	..	..
9	1	8	18	..... Carbuncle.....	..	..	..	..
4343	3619	3394	11356	{ Accidents, and all other Diseases. }	5647	4557	4388	14592
6268	5156	4856	16280	..... TOTAL	9120	6096	5797	21083

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN Inches.	DECEMBER. Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, REV. J.C. BATES.
Royton	8.360	24	24	24	24	24	24	24
Old Trafford ..	6.495	23	23	23	23	23	23	23
Eccles	4.006	23	23	23	23	23	23	23
Penketh	2.951	24	24	24	24	24	24	24
Wilmslow	2.921	23	23	23	23	23	23	23
Castleton Moor	....	..	..	..	..	..	..	..
Height of barometer cistern above sea level		130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.		INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level		29.524	29.575	29.567	29.580	29.560	29.567	29.567
Highest.....	Unreduced	29.904	29.916	29.899	29.960	29.592	30.090	30.090
Lowest.....		29.086	29.082	29.059	29.086	28.682	29.175	29.175
Range		0.918	0.858	0.840	0.874	0.910	0.915	0.915
Temperature.								
Adopted Mean		30.8	27.4	27.3	26.8	25.4	26.1	26.1
Range for Week		28.1	29.0	29.9	27.8	26.0	31.6	31.6
Daily Range		9.2	9.8	10.2	10.0	14.0	11.8	11.8
Maximum in Shade		50.4	43.0	42.9	39.5	37.6	42.0	42.0
Minimum in Shade		21.3	14.0	13.0	11.7	11.0	10.4	10.4
Temperature of Dew Point		20.9	22.6	23.1	22.0	21.1	21.1	21.1
Hygrometrical condition of the Atmosphere		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0.848	0.822	0.871	0.803	0.825	0.800	0.800
Prevailing Winds .....		..	NE,NW	NE	NE	NE	N,SE	..
Rain .....		..	0.280	0.592	0.342	0.685	0.474	..
Ozonometer.								
Moffat .....		..	0.00	1.71	....	....	....	....
Schonbein.....		..	0.00	....	0.00	0.00	2.40	..

NO RETURN.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JANUARY 12, 1867.

No. 337

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The severe cold is making itself felt. Disease and death are rapidly gaining ground. The present return is far from satisfactory. In the week ending on Saturday, the 12th instant, 1,705 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1281 and 1439. The proportion of deaths to cases likewise (1 in 19) was far above the average for the season.

As might be anticipated it is under diseases connected with the respiratory organs that the increase is most marked. A fortnight ago only 246 new cases were returned under diseases of this class, in the following week the numbers rose to 317 and last week to 435. Should the cold weather last much longer it will probably be found that these Chest-Disease returns will continue to rise for some little time, and will then, even though the weather be still cold, gradually improve.

In the course of the week there were 81 new cases of Continued Fever, of which 32 proved examples of Typhus. In the corresponding week of last year the disease was far more general, the cases rising to 164.

The rise in the column set apart to Rheumatism, including Rheumatic Fever, is very marked, but may readily be accounted for by the state of the weather.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 318 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the numbers were 250 and 267.

The heavy rise in the death-rate is mainly to be attributed to Diseases of the Lungs. In the last week of December only 75 deaths were attributed to this cause, last week 121.

In London, the deaths exceeded the estimated average by 171.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39.3°; at the Royal Infirmary, it was 39.2°; at Old Trafford, 38.7°; and at Eccles, 38.5°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox .....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	..	..	1	..	1	7	1	..	..	..	..	2	8
Dysentery .....	..	..	1	..	..	1	2	..	..	2	..	..	..	..	..
Continued Fever.....	a2	b1	4	..	a2	..	9	25	..	..	b2	1	3	1	..
Erysipelas .....	..	1	..	..	..	..	1	..	..	..	..	1	1	..	..
Rheumatism	1	2	..	..	..	1	4	10	1	21	2	1	1	..	4
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	..	..	..	1	..	3
Constitutional Syphilis .....	..	..	..	1	..	..	1	..	..	19	1	..	..	..	1
Phthisis .....	..	2	..	2	..	1	5	..	1	32	..	1	2	..	..
Insanity .....	..	1	..	..	..	1	2	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	11	12	6	5	13	17	64	32	1	51	7	2	13	5	8
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	11	..	5	..	2	..	..	..
Skin Diseases.....	..	..	1	1	..	..	2	15	..	10	..	..	..	3	16
Dyspepsia .....	..	1	..	1	..	..	2	..	..	17	..	2	1	1	13
Atrophy and Anæmia. ....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	27	10	22	9	6	20	94	64	38	195	5	3	11	31	13
TOTAL	41	30	34	20	23	42	190	169	43	352	17	13	34	45	70

a Removed to Workhouse.

b Typhus, removed to Workhouse.

c 6 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ Mr. W. H. SUTCLIFFE,	(14) Dr. WHITEHE
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N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

ek ending the 12th day of January, 1867.

d 2 Removed to Workhouse. *e* 2 Typhus.

(17) Dr. T. M. JOHNSON,
(18)
(19) „ J. O. BRADBURY,
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Small Pox	1	1	2	..	13	3
Measles	5	3	..	1	..	1	3	3
Whooping-cough.....	1	1	1	3	19
Scarlatina	3	2	2	3	1	11	12
Diarrhœa	2	2	1	..	1	6	5
Fever	1	1	a9	a2	2	..	15	21
Diseases of the Lungs	18	18	9	13	5	11	15	3	11	13	5	121	79
Other causes.....	23	11	16	6	11	15	b22	c7	17	13	8	149	135
TOTAL NO. OF DEATHS.	52	35	36	23	16	30	41	10	30	30	15	318	277
TOTAL NO. OF BIRTHS.	49	32	20	19	13	26	45	17	28	41	23	313	333

a Typhus. b 3 Inquests. c 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. *Medical*
Officer of Health, John Whitmore, M.D.
 Population in 1861, 161,680.

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Institutions in MANCHESTER
and SALFORD.
 Population in 1861, 390,815.

4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	TOTAL.	DISEASE.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	TOTAL
22	18	53	93	.....Small-pox.....	17	13	17	47
11	6	9	26	.....Chicken-pox.....	..	9	2	11
21	35	51	107	.....Measles.....	42	69	74	185
35	21	47	103	.....Scarlatina.....	36	34	31	101
2	4	1	7	.....Diphtheria.....	..	..	3	3
39	41	65	145	....Whooping-cough....	18	19	10	47
1	2	1	4	.....Croup.....	1	4	4	9
568	423	202	1193	.....Diarrhœa.....	389	205	189	783
3	..	3	6	.....Dysentery.....	10	6	13	29
10	1	..	11	.....Cholera.....	..	..	..	..
20	15	13	48	.....Erysipelas.....	16	27	29	72
..	..	..	..	....Puerperal Fever....	..	..	..	..
9	9	15	33	.....Insanity.....	33	24	33	90
751	842	1119	2712	..Bronchitis and Catarrh..	911	908	1220	3039
12	9	9	30	.....Pleurisy.....	66	91	102	259
32	28	33	93	.....Pneumonia.....				
1	8	..	9	.....Carbuncle.....	..	..	..	..
3619	3394	3656	10669	{ Accidents, and all other Diseases. }	4557	4388	5309	14254
5156	4856	5277	15289	.....TOTAL.....	6096	5797	7036	18929

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN Inches.	DECEMBER. Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, REV. J.C. BATES.
Royton	8.360	.....	.....	.....	.....	.....	.....	.....
Old Trafford ..	6.495	.....	.....	.....	.....	.....	.....	.....
Eccles	4.006	.....	.....	.....	.....	.....	.....	.....
Penketh	2.951	.....	.....	.....	.....	.....	.....	.....
Wilmslow	2.921	.....	.....	.....	.....	.....	.....	.....
Castleton Moor	.....	.....	.....	.....	.....	.....	.....	.....
Height of barometer cistern above sea level		130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.		INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level		29.222	29.220	29.228	29.286	29.217		29.209
Highest.....	Unreduced {	29.664	29.694	29.703	29.630	29.272		29.288
Lowest		28.416	28.424	28.471	28.336	28.008		28.100
Range		1.248	1.268	1.232	1.294	1.264		1.188
Temperature.								
Adopted Mean		39.2	38.7	38.5	38.0	36.3		35.9
Range for Week		26.1	27.0	31.5	33.1	34.0		31.3
Daily Range		10.7	8.4	8.3	9.3	11.0		9.8
Maximum in Shade		52.6	52.0	53.4	52.3	52.6		51.3
Minimum in Shade		26.5	26.0	21.9	19.2	18.0		20.0
Temperature of Dew Point		36.2	36.1	34.5	33.3	34.3		33.3
Hygrometrical condition of the Atmosphere.								
Degree of Humidity (Saturation—1,000)		GRS. 0.900	GRS. 0.915	GRS. 0.864	GRS. 0.830	GRS. 0.925	NO RETURN.	GRS. 0.900
Prevailing Winds .....		.....	S,SW	SE,W	S,SE	S,SW		S,SE
Rain .....		.....	1.672	0.937	1.653	1.385		2.311
Ozonometer.								
Moffat .....		.....	2.14	3.71	.....	.....		.....
Schonbein.....		.....	1.86	.....	5.28	4.00		.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JANUARY 19, 1867.

No. 338.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The state of the public health is very far from satisfactory. In the week terminating on Saturday, the 19th instant, 1,696 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The proportion of deaths to cases (1 in 15) was most unusually high, and shows with what frightful intensity the frost fell upon the poor and sickly.

The seizures from Bronchitis and kindred affections of the respiratory organs were even more numerous than in the previous week, no fewer than 463 new cases being returned; the numbers for the two previous weeks being 317 and 435. The deaths from the disorders of this class likewise were very numerous, showing that many of the cases were very severe.

Under Continued Fever there is a considerable increase, 99 instead of 81 seizures being returned. This increase might have been anticipated, as in very cold weather the poor are invariably more closely huddled together than usual and hence, when fever is present, the poison is likely to be more concentrated and malignant. Of the 99 fever cases 46 are ascribed to Typhus.

At the Chorlton Union Workhouse no fewer than 10 cases of Measles were admitted into the house.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 313 deaths were registered in the eleven districts of the Sanitary Association; the number of births exactly tallied.

The high rate of mortality is due in no little degree to diseases of the Lungs; 136 deaths are attributed to this cause; in the two previous weeks the numbers were 89 and 121.

Continued Fever likewise proved far more fatal than in our two preceding returns.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 26.0°; at the Royal Infirmary, it was 26.1°; at Eccles, 23.1°; and at Old Trafford, 22.6°. The lowest reading of the Thermometer was that observed at Wilmslow, where 4.9° were registered in the shade; at the Royal Infirmary the Thermometer never fell below 15.5.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN
New Cases of Disease coming under Treatment Dur

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	1	2	3	4	5	6	Total of Districts.	7	ROYAL INFIRMARY.					CHILDREN		
									Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	2	..	..	..	..	2	..	..	1	..	..	..	1	1	..
Scarlatina .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	..	4	..	1	6	6	..	..	..	..	..	2	3	2
Dysentery	1	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..
Continued Fever.....	2	4	2	2	3	10	23	29	..	..	1	3	5	1	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	5	3	..	2	1	..	11	15	2	16	1	..	2	..	5	2
Neuralgic Affections.....	..	..	..	..	..	..	..	4	1	5	..	..	..	2	1	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	15	..	11	..	..	..	..	..	2
Phthisis	1	2	..	1	1	2	7	10	..	23	1	5	5	..	..	..
Insanity .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	14	18	5	14	5	17	73	42	..	36	10	11	11	10	6	4
Pleurisy and Pneumonia....	1	1	1	..	..	..	3	14	1	7	..	1	..	..	..	..
Skin Diseases.....	1	..	1	..	..	..	2	16	..	8	..	..	..	4	4	2
Dyspepsia .....	..	..	..	1	..	..	1	..	1	12	..	..	..	2	5	3
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	27	5	22	15	9	20	98	72	41	171	4	5	6	11	5	..
TOTAL	52	36	31	39	20	52	230	227	46	290	17	25	29	33	31	18

a Typhus, removed to Workhouse. b Removed to Workhouse. c 8 Typhus, 4 removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) " J. BROADBENT,

(3) " EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. T. J. WEBSTER.

(8) Dr. GEORGE REEF,
- (9) } Mr. W. J. TATTERSALL,

(10) } " W. H. SUTCLIFFE,

(11) } " C. J. CUNNINGWORTH,

(12) }
- (13) Mr. H. RUNCORN,

(14) Dr. WHITEHEAD,

(15) " J. OGDEN FLEET

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

CTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 19th day of January, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
..... 1,329 477 646 ...		508. 2650.....							..... 24,448 .....
..... 70,967. ....					.. 68,209. ..			.. 44,850 ..		21739						
DOORLAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
5	17	18	19	20	21	22	23	24	25	26	27	28					
	..	..	..	..	..	..	1	..	..	..	..	..	3	2	Small-pox .....	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
	..	..	2	..	..	..	..	..	3	..	..	10	20	1	Measles .....	..
	..	..	3	..	..	..	..	1	..	..	..	..	5	8	Scarlatina .....	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
	..	..	..	..	..	..	..	..	1	..	..	..	2	39	Whooping-cough .....	..
	..	..	..	..	1	..	..	..	..	..	..	..	1	..	Croup .....	..
	..	1	2	6	1	3	1	..	..	..	..	6	40	31	Diarrhoea	1
	..	..	..	..	..	..	..	..	..	..	..	..	2	3	Dysentery .....	..
d3	4	f9	..	g1	3	2	..	1	..	..	4	h7	99	134	Continued Fever	11
	..	..	..	..	1	..	..	..	..	..	1	..	2	4	Erysipelas .....	..
1	..	8	..	2	..	..	..	4	1	..	3	11	84	60	Rheumatism .....	..
1	..	4	..	..	..	..	1	..	..	..	1	..	23	14	Neuralgic Affections ..	..
..	..	6	..	..	..	..	..	1	..	..	4	5	44	36	Constitutional Syphilis	1
i	..	14	..	2	..	..	..	2	1	..	10	7	89	54	Phthisis	10
..	2	..	..	..	..	..	..	..	..	..	..	..	7	3	Insanity .....	..
12	2	61	3	22	9	10	12	..	12	46	29	432	224	33	Bronchitis, Influenza, and Catarrh.....	33	
..	1	2	..	..	..	..	..	1	1	..	..	..	31	12	Pleurisy & Pneumonia.	..
..	5	15	..	..	..	..	..	..	..	..	1	10	68	51	Skin Disease.....	..
..	..	11	..	..	..	..	..	4	..	..	1	2	42	63	Dyspepsia	1
..	..	3	..	..	..	..	..	2	..	..	..	..	5	1	Atrophy and Anæmia..	..
9	7	102	1	3	7	9	9	38	7	40	46	697	601	601	Accidents and diseases not classified.....	52	
27	22	242	10	33	22	24	36	46	19	111	133	1696	1341	1341	.... TOTAL	109

Typhus. e 2 Typhus and 1 Febricula. f 2 Typhus. g Typhoid. h 4 Typhus.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) .. J.V.L. WESTMACOTT,
(27) .. JOHN A. EATOCK,
(28) .. S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	1	..	6	3
Measles	2	2	..	1	..	..	..	..	..	..	..	4	4
Whooping-cough .....	..	..	..	..	..	4	..	1	1	..	4	8	21
Scarlatina	1	..	..	1	1	1	2	..	1	2	..	8	6
Diarrhoea .....	..	..	..	1	1	..	..	..	1	..	1	8	5
Fever	1	4	a5	2	a1	a3	a2	4	e13	11	5	23	37
Diseases of the Lungs	24	19	24	10	10	14	4	2	10	22	5	136	89
Other causes	13	11	19	9	9	8	15	b7	..	..	..	128	174
TOTAL NO. OF DEATHS.	41	36	48	24	21	30	23	14	25	36	15	313	339
TOTAL NO. OF BIRTHS.	40	38	8	20	13	43	40	21	23	52	15	313	332

a Typhus. b 3 Inquests. c 11 Bronchitis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	TOTAL.	DISEASE.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	TOTAL
22	18	53	93	..... Small-pox	17	13	17	47
11	6	9	26	..... Chicken-pox .....	..	9	2	11
21	35	51	107	..... Measles	42	69	74	185
35	21	47	103	..... Scarlatina	36	34	31	101
2	4	1	7	..... Diphtheria .....	..	..	3	3
39	41	65	145	.... Whooping-cough	18	19	10	47
1	2	1	4	..... Croup	1	4	4	9
568	423	202	1193	..... Diarrhoea	389	205	189	783
3	..	3	6	..... Dysentery	10	6	13	29
10	1	..	11	..... Cholera	16	27	29	72
20	15	13	48	..... Erysipelas .....	..	..	..	..
..	..	..	..	.... Puerperal Fever	53	24	33	90
9	9	15	33	..... Insanity	911	908	1220	3039
751	842	1119	2712	.. Bronchitis and Catarrh..	6	91	102	259
12	9	9	30	..... Pleurisy .....	..	..	..	..
32	28	33	93	..... Pneumonia .....	..	..	..	..
1	8	..	9	..... Carbuncle	4557	4388	5309	14254
3619	3394	3656	10669	{ Accidents, and all other Diseases. }	6096	5797	7036	18929
5156	4856	5277	15289	..... TOTAL				

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN Inches.	DECEMBER. Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, REV. J.C. BATES.
Royton	6.495	24	24	24	24	24	24	24
Old Trafford ..	4.154	23	23	23	23	23	23	23
Eccles	4.006	23	23	23	23	23	23	23
Penketh	2.951	24	24	24	24	24	24	24
Wilmslow	2.921	23	23	23	23	23	23	23
Castleton Moor .....	.. .....	..	..	..	..	..	..	..
Height of barometer cistern above sea level		130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.		INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level		29.857	29.842	29.853	29.841	29.830	29.850	29.823
Highest	Unreduced {	29.928	29.898	29.887	29.804	29.442	30.010	29.538
Lowest		29.416	29.430	29.485	29.334	28.978	29.544	29.034
Range		0.512	0.468	0.402	0.470	0.464	0.466	0.504
Temperature.								
Adopted Mean		26.1	22.6	23.1	22.2	21.6	22.4	23.7
Range for Week		18.7	26.8	27.9	29.4	26.2	31.8	22.8
Daily Range		9.1	17.3	14.5	14.7	12.2	16.7	8.5
Maximum in Shade		34.2	35.8	36.6	34.3	31.8	37.8	32.8
Minimum in Shade		15.5	9.0	8.7	4.9	5.6	6.0	10.0
Temperature of Dew Point		21.9	18.4	18.1	15.5	18.5	17.4	19.4
Hygrometrical condition of the Atmosphere.		GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)		0.824	0.838	0.813	0.740	0.861	0.800	0.827
Prevailing Winds .....		..	SW,NW	NW,NE	N	NW	N	NE,NW
Rain .....		..	0.008	..	0.035	0.200	0.000	0.000
Ozonometer.								
Moffat .....		..	0.00	1.14	..	0.00	0.64	..
Schonbein .....		..	0.00	..	1.86	..	..	..

January 19, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JANUARY 26, 1867.

No. 33

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The present return does not exhibit any improvement in the public health. In the week terminating on Saturday, the 26th instant, 1,675 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the numbers were 1,705 and 1,696. The deaths among those patients of the pauper and hospital class amounted to 94, or 1 death to every 17 cases.

Under Bronchitis and kindred affections of the chest 430 new cases are returned, 33 fewer than in our preceding report,—the number, however, is still excessive.

The seizures from Fever amounted to 92; 45 of these cases are specially referred to as examples of Typhus. Dr. Ledward informs us “that two of the cases of Typhus Fever occurred in a small dwelling, consisting of two rooms about 10 feet square, situated in a narrow court off Marshall Street, Rochdale Road. A short time ago there were 14 persons living and sleeping in this dwelling:—a man and his wife with their children, a married daughter, her husband and children. Seven cases of infectious Fever have occurred in this house within three weeks; the two first cases were kept in the bed-room in spite of remonstrance and entreaty, but the following cases were gladly removed to better quarters in the Union Workhouse.”

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 400 deaths were registered in the eleven districts of the Sanitary Association; we see in these figures the killing effects of the late cold,—this so-called healthy weather. 156 of these deaths were due to diseases connected with the respiratory organs.

According to the weekly report of the Registrar General the death-rate in Manchester last week was far higher than in any other town in the United Kingdom, being represented by 48 in every 400 living.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 37·2°; at the Royal Infirmary, it was 38·6°; at Eccles, 36·4°; and at Old Trafford, 35·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
							Total of Districts.	ROYAL INFIRMARY.					CHILDREN			
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	..	..	1	..	..	..	..	..	..	1	2	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	3	..	..	1	1	..	..
Croup .....	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..
Diarrhœa.....	..	3	..	2	..	..	5	..	..	4	..	..	..	1	2	4
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Continued Fever.....	a2	..	b5	..	a3	c4	14	30	..	..	..	d4	4	1	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Rheumatism	1	..	2	1	..	..	4	14	3	10	..	..	3	..	3	3
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	2	..	..	..	1	4	2
Constitutional Syphilis .....	..	..	..	1	..	..	1	9	..	14	1	2	..	..	..	4
Phthisis	2	1	..	1	1	2	7	11	..	28	2	3	4	1	1	..
Insanity .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	17	11	4	13	6	14	65	36	2	40	6	8	5	5	12	2
Pleurisy and Pneumonia....	..	..	1	..	..	..	1	10	1	5	..	..	..	..	..	..
Skin Diseases.....	1	..	..	..	..	1	2	18	..	15	..	..	..	1	9	3
Dyspepsia .....	..	..	..	1	..	..	1	..	2	15	1	..	..	2	8	4
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Accidents and diseases not classified.....	28	11	17	12	4	11	83	64	35	201	1	10	6	26	8	1
TOTAL	51	27	29	31	14	32	184	196	43	340	12	27	23	41	49	23

a Removed to Workhouse. b 2 Febricula. c Typhus, removed to Workhouse. d 1 Typhoid, and 3 Febricula.

Medical Officers to whom the Association

- | | | | |
|-----------------------|--------------------------|----------------------------|---------------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. J. TATTERSALL, | (13) Mr. H. RUNCORN, |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. H. SUTCLIFFE, | (14) Dr. WHITEHEAD, |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ C. J. CULLINGWORTH, | (15) „ J. OGDEN FLETCHER, |
| (4) Dr. BRADDON | (8) Dr. GEORGE REE, | (12) „ | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

UNITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 26th day of January, 1867.

SALFORD.				HULME.			CHORL- TON.	ARD- WICK	PENDLETON AND PENDLEBURY.						
1,329				477.			646. ...	508.	2650.			Area in Statute Acres.			
70,967.				68,209. ...			44,850..	21739	24,448.			Population in 1861.			
Regent Road.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	1	..	..	..	..	..	..	..	1	4	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	..	..	..	..	1	..	..	..	..	5	10	1	Measles	1
..	..	5	..	..	..	..	..	..	1	..	..	7	9	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	2	..	..	..	7	29	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	4	..	Croup .....	..
..	..	2	4	..	..	..	2	..	..	..	5	33	23	Diarrhoea .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Dysentery .....	..
e 3	f 5	13	..	b 2	4	1	g 3	..	..	5	e 2	92	133	Continued Fever	8
..	..	1	..	..	..	..	..	1	..	1	..	5	9	Erysipelas .....	..
..	..	6	..	..	..	..	2	..	1	2	13	65	67	Rheumatism .....	..
..	..	2	..	..	..	..	..	..	..	..	..	12	17	Neuralgic Affections ..	..
..	..	2	..	..	..	1	1	..	..	3	6	44	36	Constitutional Syphilis	..
i	..	13	..	1	..	1	..	1	..	8	12	95	56	Phthisis	12
1	2	..	..	..	..	..	..	..	..	..	..	4	6	Insanity .....	..
15	7	72	2	11	8	11	11	6	10	34	26	408	235	Bronchitis, Influenza, and Catarrh	31
..	..	4	..	..	..	..	1	..	..	..	..	22	18	Pleurisy & Pneumonia.	4
..	3	18	..	..	..	..	..	1	..	..	11	83	50	Skin Disease.....	..
1	..	13	1	..	..	..	1	..	..	1	5	56	61	Dyspepsia .....	..
..	..	2	..	..	..	..	2	1	..	..	..	6	2	Atrophy and Anæmia..	..
10	8	94	2	5	4	5	7	46	5	39	49	720	659	Accidents and diseases not classified.....	37
31	25	247	9	20	16	20	30	58	17	93	134	1675	1417	.... TOTAL	94

e 2 Typhus f Typhus. g 1 Typhus and 2 Febricula, 1 removed to Workhouse.

ndebited for the annexed Returns.

(17) Dr. T. M. JOHNSON,	(21) Mr. JOHN SMITH,	(25) Mr. JOHN RAYNER,
(18) ..	(22) Dr. ALEX. WILSON,	(26) .. J.V.L.WESTMACOTT,
(19) .. J. O. BRADBURY,	(23) Mr. H. M. WILLIAMSON.	(27) .. JOHN A. EATOCK,
(20) Dr. BRADDON,	(24) .. JOSEPH FOSTER,	(28) .. S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	2	1	..	1	..	2	..	..	1	2	1	10	3
Measles .....	..	1	..	..	..	..	3	..	..	..	..	4	6
Whooping-cough.....	1	..	..	2	..	..	2	..	..	..	..	5	19
Scarlatina .....	..	2	..	..	..	1	..	..	..	2	1	6	10
Diarrhœa	2	..	8	..	..	2	..	..	..	..	..	13	4
Fever	18	16	20	8	8	17	10	3	20	26	10	156	23
Diseases of the Lungs	a25	b24	39	d14	14	f10	g26	12	14	19	9	206	80
Other causes.....	..	..	..	..	..	..	..	..	..	..	..	..	149
TOTAL NO. OF DEATHS.	48	44	67	25	22	31	43	15	35	49	21	400	294
TOTAL NO. OF BIRTHS.	35	34	10	14	19	23	33	15	26	46	26	280	341

a 11 Inquests. b 7 Inquests. c 6 Typhus and 2 Typhoid. d 6 Inquests. e Typhus. f 2 Inquests.
g 1 Inquest. h 12 Bronchitis, 4 Pneumonia, and 4 Phthisis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. *Medical*
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	TOTAL.	DISEASE.	4 Weeks ending 27th Oct.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	TOTAL
22	18	53	93	..... Small-pox.....	17	13	17	47
11	6	9	26	..... Chicken-pox .....	..	9	2	11
21	35	51	107	..... Measles	42	69	74	185
35	21	47	103	..... Scarlatina	36	34	31	101
2	4	1	7	..... Diphtheria .....	..	..	3	3
39	41	65	145	.... Whooping-cough	18	19	10	47
1	2	1	4	..... Croup.....	1	4	4	9
568	423	202	1193	..... Diarrhœa	389	205	189	783
3	..	3	6	..... Dysentery.....	10	6	13	29
10	1	..	11	..... Cholera .....	..	..	..	..
20	15	13	48	..... Erysipelas.....	16	27	29	72
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
9	9	15	33	..... Insanity	53	24	33	90
751	842	1119	2712	.. Bronchitis and Catarrh..	911	908	1220	3039
12	9	9	30	..... Pleurisy	6	91	102	259
32	28	33	93	..... Pneumonia				
1	8	..	9	..... Carbuncle.....	..	..	..	..
3619	3394	3656	10669	{ Accidents, and all other Diseases. }	4557	4388	5309	14254
5156	4856	5277	15289	..... TOTAL	6096	5797	7036	18929

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J.C. BATES.
Inches.							
Royton	6.495	.....	.....	.....	.....	.....	.....
Old Trafford ..	4.154	.....	.....	.....	.....	.....	.....
Eccles	4.006	.....	.....	.....	.....	.....	.....
Penketh	2.951	.....	.....	.....	.....	.....	.....
Wilmslow	2.921	.....	.....	.....	.....	.....	.....
Castleton Moor .....	.....	.....	.....	.....	.....	.....	.....
Wet Days.	24	23	23	24	23	23	23
Height of barometer cistern above sea level	130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29.781	29.738	29.742	29.744	29.734	29.728	29.718
Highest.....	29.958	29.962	29.937	29.848	29.477	30.024	29.570
Lowest	29.183	29.196	29.199	29.106	28.714	29.285	28.814
Range	0.775	0.766	0.738	0.742	0.763	0.739	0.756
Temperature.							
Adopted Mean	38.4	35.6	36.4	39.9	34.7	35.0	34.6
Range for Week	27.2	32.5	30.4	30.3	32.2	37.9	32.1
Daily Range	9.4	15.4	12.4	12.7	12.2	12.7	11.5
Maximum in Shade	53.5	52.5	52.0	52.3	50.0	55.0	51.0
Minimum in Shade	27.3	20.0	21.6	22.0	17.8	17.1	18.9
Temperature of Dew Point	36.0	33.8	33.6	36.2	33.7	32.4	33.9
Hygrometrical condition of the Atmosphere.							
Degree of Humidity (Saturation—1,000)	GRS. 0.913	GRS. 0.930	GRS. 0.906	GRS. 0.938	GRS. 0.960	GRS. 0.927	GRS. 0.975
Prevailing Winds .....	.....	NE,S	NE,SE	S,W	NE,S	E,SE	E,NE
Rain .....	.....	0.650	1.078	0.705	1.475	0.751	1.230
Ozonometer.							
Moffat .....	.....	1.00	2.00	.....	.....	.....	.....
Schonbein.....	.....	0.86	.....	7.28	3.80	4.20	.....

January 26, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, FEBRUARY 2, 1867.

No. 340

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns still continue far from satisfactory. In the week terminating on Saturday, the 2nd instant, 1,766 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. At the same time the deaths among patients of the pauper and hospital class amounted to 72, or 1 death to every 21 cases.

The new cases of Bronchitis and kindred affections of the chest still continue very numerous; last week 453 cases were returned or 224 more than in the corresponding week of last year. In the two preceding weeks the numbers were 463 and 430.

Under continued Fever a considerable improvement is observable, 83 instead of 92 new cases being recorded: of these 83 cases 40 proved examples of Typhus. No fewer than 32 seizures from Fever were admitted as in-patients of the Manchester Workhouse.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

In the week terminating on Saturday, February 2nd, 270 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the returns were considerably heavier, 313 and 400 being respectively recorded.

Twenty-one deaths are attributed to Fever—a considerable rise in the return of the previous week.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated number by 28.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.0°; at the Royal Infirmary, it was 46.1°; at Old Trafford, 45.2°; and at Royton, 43.7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres.....								Manchester Township 1,645								
Population in 1861.....								,, ,, 185,050								
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	1	2	3	4	5	6	Total of Districts.	7	ROYAL INFIRMARY.					CHILDREN		15
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	2	..	..	..	2	4	..	..	2	..	..	..	4	3	4
Dysentery .....	..	..	..	..	..	1	1	..	..	4	..	..	..	..	..	..
Continued Fever.....	a3	1	5	1	1	b5	16	32	..	..	1	c3	..	5	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Rheumatism	4	1	..	..	..	1	6	10	1	7	2	1	..	..	6	3
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	5	..	..	..	..	1	2
Constitutional Syphilis	1	..	1	..	..	..	2	20	..	14	1	..	1	..	1	3
Phthisis .....	..	1	..	1	..	..	2	8	1	17	1	1	2	1	2	..
Insanity .....	..	1	..	..	..	1	2	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	18	3	8	5	20	62	46	2	39	4	8	11	10	20	4
Pleurisy and Pneumonia....	..	1	..	..	2	..	3	16	2	5	1	3	..	..	2	..
Skin Diseases.....	..	..	..	..	..	..	..	18	..	17	..	..	..	5	28	2
Dyspepsia	1	..	..	..	1	..	2	..	..	15	..	..	..	1	14	1
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	13	1	..	..	..	..	..
Accidents and diseases not classified.....	20	4	17	10	4	11	66	79	43	209	1	4	8	35	22	..
TOTAL	37	29	26	20	13	41	166	229	51	349	12	20	24	61	101	19

a

Removed to Workhouse.

b

3 Typhus, 2 removed to Workhouse.

c

Febricula.

a Removed to Workhouse. b 3 Typhus, 2 removed to Workhouse. c Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) } Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) }	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) }	(15) „ J. OGDEN FLEMING
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) }	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 2nd day of February, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox .....	..
..	3	..	..	..	..	..	..	..	..	..	2	5	..	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	2	4	6	Measles .....	..
..	..	2	..	..	1	..	..	..	3	..	..	8	2	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	1	..	..	..	3	27	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	..	3	3	..	..	..	1	1	..	..	6	33	28	Diarrhoea	2
..	..	..	..	..	..	..	..	..	..	..	..	5	1	Dysentery .....	..
..	1	9	..	d2	..	2	c2	..	..	4	e4	83	124	Continued Fever	10
..	..	1	..	..	..	1	..	1	..	1	..	5	9	Erysipelas .....	..
2	..	4	..	..	..	2	3	..	..	3	11	61	65	Rheumatism .....	..
..	..	4	..	..	..	..	..	..	..	..	..	13	15	Neuralgic Affections ..	..
1	..	3	..	..	..	..	..	1	..	2	4	53	31	Constitutional Syphilis	..
1	2	10	..	1	2	1	..	..	1	10	9	74	67	Phthisis	12
..	1	..	..	..	..	..	..	..	..	..	..	3	8	Insanity .....	..
14	6	66	2	6	16	11	9	6	11	28	31	417	219	Bronchitis, Influenza, and Catarrh.....	12
1	..	2	..	..	..	..	..	..	..	..	1	36	10	Pleurisy & Pneumonia.	2
..	2	19	..	..	..	..	..	1	..	..	14	107	70	Skin Disease.....	..
2	..	15	..	1	2	..	5	2	2	3	4	71	82	Dyspepsia .....	..
..	..	1	..	1	..	..	2	..	..	..	..	18	3	Atrophy and Anæmia..	..
14	7	104	1	10	2	3	8	38	16	41	41	767	578	Accidents and diseases not classified.....	33
35	22	243	6	21	23	20	30	51	33	92	129	1766	1347	.... TOTAL	72

d 1 Typhus and 1 Typhoid, removed to Workhouse. e Typhus.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ „
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowe.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles	1	..	..	1	..	1	..	..	..	..	1	4	1
Whooping-cough.....	1	..	..	..	..	1	..	..	1	1	..	5	18
Scarlatina	3	..	..	4	1	..	2	..	1	..	..	11	9
Diarrhoea .....	..	1	..	..	..	1	..	..	1	..	..	3	1
Fever	1	4	29	1	..	22	..	1	1	22	..	21	23
Diseases of the Lungs	23	10	10	11	8	11	12	1	8	12	1	107	93
Other causes.....	17	11	12	69	5	13	11	611	9	19	2	119	117
TOTAL NO. OF DEATHS.	46	27	31	26	14	29	25	13	21	34	4	270	264
TOTAL NO. OF BIRTHS.	42	51	15	21	19	36	28	33	26	60	23	357	326

a Typhus. b 1 Inquest. c Typhoid. d 1 Typhus and 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL.	DISEASE.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL
18	53	74	145	..... Small-pox.....	13	17	9	39
6	9	..	15	..... Chicken-pox	9	2	2	13
35	51	12	98	..... Measles	69	74	53	196
21	47	30	98	..... Scarlatina.....	34	31	22	87
4	1	..	5	..... Diphtheria.....	..	3	..	3
41	65	87	193	.... Whooping-cough	19	10	23	52
2	1	1	4	..... Croup.....	4	4	6	14
423	202	145	770	..... Diarrhoea	205	189	145	539
..	3	3	6	..... Dysentery.....	6	13	9	28
1	..	..	1	..... Cholera .....	..	..	..	..
15	13	22	50	..... Erysipelas.....	27	29	26	82
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
9	15	10	34	..... Insanity	24	33	29	86
842	1119	1112	3073	.. Bronchitis and Catarrh..	908	1220	1544	3672
9	9	17	35	..... Pleurisy	91	102	101	294
28	33	21	82	..... Pneumonia .....	..	..	..	..
8	..	3	11	..... Carbuncle.....	..	..	..	..
3394	3656	3107	10157	{ Accidents, and all other Diseases. }	4388	5309	4546	14243
4856	5277	4644	14777	..... TOTAL	5797	7036	6515	19348

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J.C. BATES.
Inches.	Wet Days.								
Castleton Moor	4.944	..... 10							
Royton	4.437	..... 14							
Eccles	3.366	..... 14							
Old Trafford ..	3.270	..... 15							
Wilmslow	3.105	..... 18							
Penketh	2.861	..... 14							
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.869	29.889	29.890	29.888	29.879	29.876	29.877
Highest.....			30.336	30.292	30.293	30.202	29.846	30.404	29.930
Lowest			29.460	29.508	29.471	29.350	29.002	29.568	29.120
Range			0.876	0.784	0.822	0.852	0.844	0.836	0.810
Temperature.									
Adopted Mean			46.1	45.2	45.2	44.3	43.7	46.6	43.9
Range for Week			19.0	26.0	21.0	20.1	17.0	19.5	20.4
Daily Range			11.1	13.1	11.0	10.1	9.0	9.6	11.1
Maximum in Shade			54.0	56.0	55.5	55.1	52.0	56.3	52.0
Minimum in Shade			35.0	30.0	34.5	35.0	35.0	36.8	31.6
Temperature of Dew Point			44.3	41.5	41.3	39.7	41.3	42.7	40.9
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.935	GRS. 0.873	GRS. 0.866	GRS. 0.836	GRS. 0.842	GRS. 0.861	GRS. 0.892
Prevailing Winds .....			.....	S, SE, SW	W, SW	S, SE, SW	S, SW	S, SW	S, SW
Rain .....			.....	0.970	0.936	1.047	1.553	0.661	1.943
Ozonometer.									
Moffat .....			....	3.28	5.86	....	5.70	7.40	....
Schonbein.....			....	2.57	....	8.43	....	....	....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, FEBRUARY 9, 1867.

No. 341.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The effects of the severe cold which proved so fatal in the early weeks of the year appear to be passing away. The present return may, on the whole, be looked upon as satisfactory. The total number of new cases observed among the hospital and pauper class of the population amounted in the course of the week to 1,453—among these patients there were 68 deaths, being in the proportion of 1 death to every 20 cases.

There is a material falling off in the seizures from Bronchitis and kindred affections of the chest, 295 instead of 453 new cases being recorded. The improvement under this column is altogether due to the change in the weather.

During the last few weeks the Fever returns have varied but little, on the whole however this disease, under its various forms, is far less prevalent than in the corresponding period of last year. In the first week of February, 1866, more than 149 new cases were recorded, last week 85 ;—of these 85 cases 26 are ascribed to true Typhus.

There were 17 cases of Measles in the course of the week, 8 of which were attended by the medical officers of the Chorlton Dispensary.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Since the weather became more genial fewer deaths have been registered. In the week ending on Saturday, January 26th, 400 names were recorded in the registers of death, in the following week the number fell suddenly to 270 ; and last week a further improvement is observable in the return. This improvement was, as might be anticipated, most marked in the diseases of the chest.

In London, according to the last report of the Registrar General, the deaths exceeded the estimated average by 40.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43·4°; at the Royal Infirmary, it was 42·9°; at Eccles, 42·4°; and at Castleton Moor, it was 39·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment Du

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	..	..	..	..	1	3	..	..	..	..	..	..	..	1	..
Scarlatina .....	..	..	1	..	2	..	3	1	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	2	1	..	..	3	..	..	3	..	..	1	3	1	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	a3	b2	4	1	1	c5	16	16	d1	..	..	e4	2	2	..	..
Erysipelas .....	..	1	1	..	..	..	2	2	1	..	1	..	..	..	..	..
Rheumatism .....	..	1	..	..	1	..	2	16	2	12	2	2	1	..	3	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1
Constitutional Syphilis .....	..	..	2	..	..	..	2	3	..	15	..	..	2	..	..	2
Phthisis	1	..	..	..	..	..	1	12	1	18	1	1	6	..	3	1
Insanity .....	..	..	1	..	..	..	1	6	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	7	6	5	9	13	44	26	..	37	..	4	7	7	9	2
Pleurisy and Pneumonia....	..	2	1	..	..	..	3	7	1	6	..	..	..	2	3	..
Skin Diseases.....	..	..	..	..	..	..	..	10	..	8	..	..	..	4	19	3
Dyspepsia	1	..	..	1	..	..	2	7	1	12	..	..	..	1	10	2
Atrophy and Anæmia. ....	..	..	..	..	..	2	2	..	..	..	..	..	..	..	3	..
Accidents and diseases not classified.....	10	8	15	8	3	6	50	30	42	213	2	4	10	46	6	..
TOTAL	21	21	33	16	16	27	134	136	49	325	7	15	29	66	59	16

a Removed to Workhouse. b 1 Typhus, removed to Workhouse. c 4 Typhus and 1 Febricula removed to Workhouse.

Medical Officers to whom the Association

- | | | | |
|-----------------------|--------------------------|----------------------------|---------------------|
| 1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. J. TATTERSALL, | (13) Mr. H. RUNCORN |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. H. SUTCLIFFE, | (14) Dr. WHITEHEAD |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ C. J. CULLINGWORTH, | (15) „ J. OGDEN FLE |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.
 Week ending the 9th day of February, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477.....			646...		508.		2650.....			24,448		
70,967.				68,209. ...			44,850..		21739							
LAW DISTRICT		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS											DISEASES.	
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancolts Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	7	Small-pox .....	..
..	3	..	..	..	..	..	..	..	..	..	..	4	1	Chicken-pox .....	..
..	..	..	..	..	..	1	3	8	..	..	1	17	2	Measles	2
..	..	5	..	..	1	..	..	..	..	..	..	10	9	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	4	..	..	..	5	38	Whooping-cough ....	..
..	1	..	..	..	..	..	..	..	..	..	..	1	..	Croup .....	..
..	..	3	7	..	..	..	..	6	..	..	2	34	20	Diarrhoea	1
1	..	..	..	..	..	1	..	..	..	1	..	3	2	Dysentery .....	..
f3	d1	7	..	1	..	5	g3	14	1	6	1	85	149	Continued Fever	9	
..	..	..	..	..	..	..	..	..	..	1	..	8	10	Erysipelas .....	..
..	1	9	..	2	1	1	3	6	..	1	7	73	78	Rheumatism .....	..
..	..	2	..	..	..	..	..	1	..	2	..	9	21	Neuralgic Affections ..	..
..	..	4	..	..	..	..	..	3	..	1	3	35	35	Constitutional Syphilis	..
1	3	8	..	..	..	..	..	3	..	5	10	76	53	Phthisis	13
..	2	..	..	..	..	..	..	..	..	..	..	10	5	Insanity .....	..
4	1	57	3	3	6	3	..	6	1	16	19	264	210	Bronchitis, Influenza, and Catarrh.....	7	
..	..	4	..	..	..	1	..	..	..	..	2	29	13	Pleurisy & Pneumonia.	3
1	2	14	..	..	..	..	..	..	..	..	17	78	71	Skin Disease.....	..
2	..	10	..	..	..	..	5	2	..	4	3	62	61	Dyspepsia .....	..
..	..	3	..	..	..	..	..	..	..	..	..	8	2	Atrophy and Anæmia..	2
4	8	86	3	11	3	2	10	2	10	42	54	642	639	Accidents and diseases not classified.....	31	
16	22	212	13	17	11	14	24	55	12	79	119	1453	1426	.... TOTAL	68

Typhus. e 2 Typhus and 2 Febricula.

f 1 Typhus and 2 Febricula. g Febricula.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) ..
 (19) ,, J. O. BRADBURY,
 (20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) ,, JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) ,, J. V. L. WESTMACOTT,
 (27) ,, JOHN A. EATOCK,
 (28) ,, S. WOODCOCK,

e reports of the Association, and has as far as practicable, been taken into account in the conclusion from the

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	1	..	..	1	..	..	2	1	2	7	3
Measles .....	..	..	..	1	..	1	..	..	..	3	..	6	16
Whooping-cough	2	..	..	1	1	1	..	..	..	..	..	5	7
Scarlatina	2	1	..	..	..	1	..	..	1	..	1	6	6
Diarrhoea	1	1	all	a2	..	1	a2	..	..	..	..	18	33
Fever	11	12	12	6	4	8	5	6	5	15	6	90	78
Diseases of the Lungs	12	12	21	2	7	10	b12	9	11	19	5	120	144
Other causes													
TOTAL NO. OF DEATHS.	28	27	45	12	12	23	19	15	19	38	14	252	287
TOTAL NO. OF BIRTHS.	40	52	14	18	25	30	36	18	34	44	20	331	344

a Typhus. b 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL.	DISEASE.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL
18	53	74	145	.....Small-pox.....	13	17	9	39
6	9	..	15	.....Chicken-pox.....	9	2	2	13
35	51	12	98	.....Measles.....	69	74	53	196
21	47	30	98	.....Scarlatina.....	34	31	22	87
4	1	..	5	.....Diphtheria.....	..	3	..	3
41	65	87	193	.....Whooping-cough.....	19	10	23	52
2	1	1	4	.....Croup.....	4	4	6	14
423	202	145	770	.....Diarrhoea.....	205	189	145	539
..	3	3	6	.....Dysentery.....	6	13	9	28
1	..	..	1	.....Cholera.....	..	..	..	..
15	13	22	50	.....Erysipelas.....	27	29	26	82
..	..	..	..	.....Puerperal Fever.....	..	..	..	..
9	15	10	34	.....Insanity.....	24	33	29	86
842	1119	1112	3073	.....Bronchitis and Catarrh.....	908	1220	1544	3672
9	9	17	35	.....Pleurisy.....	91	102	101	294
28	33	21	82	.....Pneumonia.....	..	..	..	..
8	..	3	11	.....Carbuncle.....	..	..	..	..
3394	3656	3107	10157	{ Accidents, and all other Diseases.	4388	5309	4546	14243
4856	5277	4644	14777	.....TOTAL.....	5797	7036	6515	19348

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY. Inches. Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Castleton Moor 4.944							
Royton 4.437							
Eccles 3.366							
Old Trafford .. 3.270							
Wilmslow 3.105							
Penketh 2.861							
Height of barometer cistern above sea level	130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29.484		29.449	29.467	29.476	29.451	29.428
Highest.....	30.294		30.299	30.216	29.796	30.424	29.914
Lowest.....	28.530		28.581	28.490	28.118	28.669	28.210
Range	1.764		1.718	1.726	1.678	1.755	1.704
Temperature.							
Adopted Mean	42.9		42.4	41.9	40.2	42.9	39.6
Range for Week	15.0		18.4	18.8	16.9	18.9	17.5
Daily Range.....	10.2		12.3	12.0	11.6	10.5	11.2
Maximum in Shade	50.3		51.5	50.9	48.6	52.0	49.5
Minimum in Shade	35.3		33.1	32.1	31.7	33.1	32.0
Temperature of Dew Point	39.1		38.2	37.8	36.8	39.6	37.1
Hygrometrical condition of the Atmosphere.							
Degree of Humidity (Saturation—1,000)	GRS. 0.862	NO RETURN.	GRS. 0.897	GRS. 0.837	GRS. 0.876	GRS. 0.880	GRS. 0.909
Prevailing Winds			W,NW	S,SW	SW,NW	S,SW	S,SW
Rain			1.504	1.421	2.560	1.194	2.359
Ozonometer.							
Moffat			6.00	.....	.....	.....	.....
Schonbein.....			.....	9.28	6.20	.....	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, FEBRUARY 16, 1867. No. 342.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 16th instant, 1543 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. Among these patients there were 64 deaths, being in the proportion of 1 death to every 25 cases. This return may, on the whole, be looked upon as decidedly satisfactory.

In the course of the last fortnight there has been a remarkable decrease in the seizures from Bronchitis and kindred affections of the chest. In the week ending on Saturday, February 2, there were 453 new cases, last week only 276.

It is satisfactory to observe also a very marked improvement under continued Fever. In the corresponding week of last year 140 cases of this disease were entered in our return, last week only 58, and of these not more than 9 proved examples of Typhus.

In the course of the week several cases of Whooping-cough were observed in Chorlton. No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 245 deaths were registered in the eleven districts of the Sanitary Association; 65 of these deaths are ascribed to Diseases of the Lungs, and 13 to Fever. These returns, when compared with those of several of the preceding weeks, may be looked upon as decidedly satisfactory.

In London, according to the last report of the Registrar General, the deaths fell short of the estimated average by 114.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.7° or 8.4° above the average for the season; at the Royal Infirmary, it was 46.8° ; at Eccles, 46.2° ; and at Royton, 43.3° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
							Total of Districts.	ROYAL INFIRMARY.					CHILDREN			
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City of Manchester
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	1	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	..	2	..	..	3	..	..	3	..	..	..	4	4	..
Dysentery	1	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..
Continued Fever.....	1	..	5	6	..	a9	21	..	..	..	..	b3	1	1	..	..
Erysipelas	1	..	..	1	..	..	2	3	..	..	..	..	..	..	..	..
Rheumatism	2	1	..	..	..	..	3	7	2	11	1	1	1	2	5	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	5	..	..	1	..	1	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	14	..	14	..	..	..	..	2	3
Phthisis	1	..	..	1	..	..	2	20	1	25	1	1	3	..	3	1
Insanity .....	..	..	..	..	..	..	..	8	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	5	3	3	..	8	21	8	3	37	6	2	3	7	25	2
Pleurisy and Pneumonia....	..	..	1	2	..	..	3	6	..	7	2	..	..	..	1	1
Skin Diseases.....	5	..	..	..	..	..	5	14	..	9	..	..	..	1	13	3
Dyspepsia .....	..	..	..	..	..	1	1	10	..	10	..	..	..	6	18	2
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	6	1	..	1	..	5	..
Accidents and diseases not classified.....	17	5	10	5	6	8	51	123	43	225	1	3	5	43	10	2
TOTAL	31	12	19	20	7	27	116	213	49	352	12	10	17	65	88	20

a 5 Typhus, 3 removed to Workhouse. b Febricula. c 2 Typhus and 1 Febricula. d Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FLE
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

Week ending the 16th day of February, 1867.

the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowel.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	1	1	..	..	1	..	1	..	5	3
Measles	1	..	..	..	..	..	..	..	..	..	..	1	..
Whooping-cough	1	..	..	..	..	1	..	..	..	..	1	3	24
Scarlatina	1	1	..	..	..	..	1	..	..	..	..	7	5
Diarrhœa	1	2	3	..	..	2	1	2	3	1	..	13	6
Fever	6	3	11	5	5	7	5	2	4	12	5	65	24
Diseases of the Lungs	15	14	19	68	7	4	20	12	13	28	11	151	80
Other causes .....	..	..	..	..	..	..	..	..	..	..	..	..	131
TOTAL NO. OF DEATHS.	25	21	33	14	13	14	27	17	20	43	18	245	273
TOTAL NO. OF BIRTHS.	41	50	39	10	21	36	65	29	33	65	19	403	343

a Typhus. b 2 Inquests. c 1 Inquest. d Typhoid. e 3 Inquests. f 4 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL.	DISEASE.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL
18	53	74	145	..... Small-pox	13	17	9	39
6	9	..	15	..... Chicken-pox	9	2	2	13
35	51	12	98	..... Measles	69	74	53	196
21	47	30	98	..... Scarlatina	34	31	22	87
4	1	..	5	..... Diphtheria .....	..	3	..	3
41	65	87	193	.... Whooping-cough	19	10	23	52
2	1	1	4	..... Croup	4	4	6	14
423	202	145	770	..... Diarrhœa	205	189	145	539
..	3	3	6	..... Dysentery	6	13	9	28
1	..	..	1	..... Cholera .....	..	..	..	..
15	13	22	50	..... Erysipelas	27	29	26	82
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
9	15	10	34	..... Insanity	24	33	29	86
842	1119	1112	3073	.. Bronchitis and Catarrh..	908	1220	1544	3672
9	9	17	35	..... Pleurisy	91	102	101	294
28	33	21	82	..... Pneumonia .....	..	..	..	..
8	..	3	11	..... Carbuncle .....	..	..	..	..
3394	3656	3107	10157	{ Accidents, and all other Diseases. }	4388	5309	4546	14243
4856	5277	4644	14777	..... TOTAL	5797	7036	6515	19348

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JANUARY.									
Inches.	Wet Days.		Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Castleton Moor 4.944	..... 10								
Royton 4.437	..... 14								
Eccles 3.366	..... 14								
Old Trafford .. 3.270	..... 15								
Wilmslow 3.105	..... 18								
Penketh 2.861	..... 14								
Height of barometer cistern above sea level			130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.030		30.029	30.032	30.028	30.032	30.031
Highest			30.320		30.303	30.206	29.810	30.407	29.956
Lowest			29.610		29.567	29.454	29.096	29.666	29.200
Range			0.710		0.736	0.752	0.744	0.741	0.756
Temperature.									
Adopted Mean			46.8		46.2	44.8	43.3	46.2	44.2
Range for Week			15.5		18.4	16.4	20.3	22.5	17.4
Daily Range			9.2		10.3	10.3	10.8	10.0	10.0
Maximum in Shade			53.8		55.4	52.9	55.3	55.0	53.0
Minimum in Shade			38.3		37.0	36.5	35.0	33.5	35.6
Temperature of Dew Point			44.2		40.8	40.0	41.3	43.6	41.6
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.903	NO RETURN.	GRS. 0.827	GRS. 0.832	GRS. 0.928	GRS. 0.907	GRS. 0.907
Prevailing Winds .....			.....		W,SW	W,SW	W,SW	W,SW	SW
Rain .....			.....		0.643	0.416	0.930	0.447	1.000
Ozonometer.									
Moffat .....			.....		2.43	.....	.....	.....	.....
Schonbein .....			.....		.....	5.40	4.80	5.30	.....

February 16, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, FEBRUARY 23, 1867. No. 343.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The returns still continue satisfactory. In the week terminating on Saturday, the 23rd ultimo, 1571 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. Among these patients, all included in the pauper and hospital class, there were 72 deaths, being in the proportion of 1 death to every 21 cases,

It is satisfactory to observe that the seizures from Continued Fever are far less prevalent than they were in the corresponding period of last year. At that time 122 new cases were recorded—in the present return only 65—of these 65 cases 31 are assigned to Typhus Fever.

Bronchitis and kindred affections of the respiratory organs are somewhat less prevalent than they were a fortnight ago,—the numbers for the three last weeks being 293, 276, and 260.

Under Measles we observe this week a considerable increase of cases, 16 instead of 8 seizures being returned. The disease, however, appears to be almost entirely confined to certain districts—8 new cases being admitted into the Chorlton workhouse, and 7 being attended by the medical officers of the Salford hospital.

During the last three weeks not a single case of Small-Pox has been observed in the public practice of the town.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 240 deaths were registered in the eleven districts of the Sanitary Association, 5 fewer than in the previous week. Twenty of these deaths are ascribed to Fever and 76 to Diseases of the Lungs.

At the Royal Infirmary, the mean temperature of the air in the week was 47.6° ; at Wilmslow it was 45.2° ; and at Royton, 44.6° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year

MANCHESTER.																	
Area in Statute Acres								Manchester Township 1,645									
Population in 1861								,, ,, 185,050									
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.									
	1	2	3	4	5	6	Total of Districts.	7	ROYAL INFIRMARY.					CHILDREN			
									Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	1	1	..	..	..	2	..	..	..	..	..	2	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	2	..	..	..	..	2	..	..	..	..	..	..	1	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Diarrhoea.....	1	1	..	..	..	..	2	..	..	..	..	..	1	8	5	3
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Continued Fever.....	a1	..	b2	c1	3	d7	14	19	b1	..	b1	e4	..	5	..	..
Erysipelas .....	..	..	..	..	..	..	..	9	..	..	..	..	..	..	..	..
Rheumatism	4	..	1	..	..	..	5	4	1	9	2	..	..	2	7	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	4	..	..	..	..	2	1
Constitutional Syphilis.....	..	..	..	..	..	..	..	..	..	10	..	..	1	..	..	2
Phthisis .....	..	..	1	..	1	..	2	9	..	26	..	3	4	3	3	1
Insanity	1	..	1	..	..	..	2	10	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	3	1	1	1	9	16	22	4	37	3	6	4	2	18	2	
Pleurisy and Pneumonia....	1	..	..	1	1	..	3	10	1	5	..	1	..	1	..	..
Skin Diseases.....	..	..	..	1	..	6	7	10	..	9	..	..	..	2	15	4
Dyspepsia .....	..	..	1	..	..	..	1	4	..	16	1	..	..	1	..	2
Atrophy and Anæmia. ....	..	..	..	..	..	1	1	..	..	..	2	..	..	..	6	..
Accidents and diseases not classified.....	16	4	16	1	2	8	47	84	37	263	4	5	6	56	16	1	
TOTAL	25	11	24	5	8	32	105	181	45	379	13	19	18	82	72	18	

a Removed to Workhouse. b 1 Typhus. c Typhoid, removed to Workhouse. d 3 Typhus, removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FLIN
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

e ending the 23rd day of February, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477.....			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209.			44,850..		21739	24,448				Population in 1861.		
LAW DISTRICT.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.										St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	4	Small-pox .....	..
..	3	..	..	..	..	..	..	..	..	..	2	5	..	Chicken-pox .....	..
..	..	7	..	..	..	..	..	1	..	..	8	16	1	Measles .....	..
..	..	2	..	1	..	..	..	2	1	1	..	11	10	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	1	..	..	..	..	..	..	..	..	..	4	28	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	2	..	Croup .....	..
..	..	3	3	1	..	..	1	1	..	..	3	31	32	Diarrhoea .....	..
..	..	..	..	..	..	..	1	1	..	..	1	5	4	Dysentery	1
1	g2	6	..	..	..	2	..	5	..	2	g2	65	122	Continued Fever	6
..	..	..	..	..	..	..	..	..	..	..	..	9	8	Erysipelas .....	..
2	..	8	..	3	..	..	..	4	..	2	7	60	69	Rheumatism .....	..
1	..	1	..	..	..	..	..	2	..	..	..	12	22	Neuralgic Affections ..	..
..	..	5	..	..	..	..	..	1	..	..	3	22	40	Constitutional Syphilis	1
2	1	6	..	..	..	..	1	3	..	6	3	73	53	Phthisis	12
1	1	..	..	..	..	..	..	..	..	..	..	14	6	Insanity .....	..
6	5	31	4	8	6	..	7	9	2	16	19	231	245	Bronchitis, Influenza, and Catarrh.....	7	
..	1	1	..	..	..	..	..	1	..	3	2	29	18	Pleurisy & Pneumonia.	1
..	3	32	..	..	..	..	5	1	..	..	22	111	76	Skin Disease.....	..
6	..	18	1	..	2	..	2	2	..	2	4	62	96	Dyspepsia .....	..
..	..	..	..	..	..	..	..	1	..	..	..	10	2	Atrophy and Anæmia..	4
8	10	124	3	8	4	4	4	15	9	42	41	799	592	Accidents and diseases not classified.....	39	
27	26	245	11	21	12	6	21	50	12	74	117	1571	1428	.... TOTAL	72

e 1 Typhus, and 3 Febricula. f Typhus, removed to Workhouse. g Typhus.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,	(21) Mr. JOHN SMITH,	(25) Mr. JOHN RAYNER,
(18) ..	(22) Dr. ALEX. WILSON,	(26) .. J.V.L.WESTMACOTT,
(19) .. J. O. BRADBURY,	(23) Mr. H. M.WILLIAMSON.	(27) .. JOHN A. EATOCK,
(20)Dr. BRADDON,	(24) .. JOSEPH FOSTER,	(28) .. S. WOODCOCK,

e reports of the Association, and has as far as practicable, been taken into account in the conclusion
 n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipton.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnsbp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	e1	..	..	1	..
Measles .....	..	1	..	..	1	1	..	..	..	1	..	4	4
Whooping-cough.....	..	1	..	..	..	..	1	..	..	..	2	4	19
Scarlatina	1	1	..	2	1	..	..	..	..	1	2	8	7
Diarrhœa .....	..	..	..	1	..	2	..	2	..	..	..	5	4
Fever	1	3	a6	..	3	1	c1	..	3	c2	..	20	23
Diseases of the Lungs	7	9	13	7	4	11	5	2	3	9	6	76	95
Other causes.....	11	12	23	4	10	b6	d18	8	12	13	5	122	151
TOTAL NO. OF DEATHS.	20	27	42	14	19	21	25	12	19	26	15	240	303
TOTAL NO. OF BIRTHS.	45	45	13	24	16	30	22	14	30	58	24	321	346

a 5 Typhus and 1 Scarlet. b 1 Inquest. c Typhoid. d 2 Inquests. e Aged 9 Months, not Vaccinated.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL.	DISEASE.	4 Weeks ending 24th Nov.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	TOTAL
18	53	74	145	.....Small-pox.....	13	17	9	39
6	9	..	15	.....Chicken-pox.....	9	2	2	13
35	51	12	98	.....Measles.....	69	74	53	196
21	47	30	98	.....Scarlatina.....	34	31	22	87
4	1	..	5	.....Diphtheria.....	..	3	..	3
41	65	87	193	....Whooping-cough....	19	10	23	52
2	1	1	4	.....Croup.....	4	4	6	14
423	202	145	770	.....Diarrhœa.....	205	189	145	539
..	3	3	6	.....Dysentery.....	6	13	9	28
1	..	..	1	.....Cholera.....	..	..	..	..
15	13	22	50	.....Erysipelas.....	27	29	26	82
..	..	..	..	....Puerperal Fever....	..	..	..	..
9	15	10	34	.....Insanity.....	24	33	29	86
842	1119	1112	3073	..Bronchitis and Catarrh..	908	1220	1544	3672
9	9	17	35	.....Pleurisy.....	91	102	101	294
28	33	21	82	.....Pneumonia.....	..	..	..	..
8	..	3	11	.....Carbuncle.....	..	..	..	..
3394	3656	3107	10157	{ Accidents, and all other Diseases. }	4388	5309	4546	14243
4856	5277	4644	14777	.....TOTAL.....	5797	7036	6515	19348

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN Inches.	JANUARY. Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington, L.W. Reynolds Esq.	Castleton Moor, REV. J.C. BATES.
Castleton Moor 4.944	10	130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Royton 4.437	14	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Eccles 3.366	14	30.346			30.350	30.352	30.354	
Old Trafford .. 3.270	15	30.410			30.282	29.941	30.480	
Wilmslow 3.105	18	29.894			29.746	29.402	29.977	
Penketh 2.861	14	0.516			0.538	0.542	0.503	
Barometer.								
Height of barometer cistern above sea level								
Mean @ 32° F., and reduced to sea level								
Highest.....								
Lowest.....								
Range								
Temperature.								
Adopted Mean		47.6			45.2	44.6	45.6	
Range for Week		13.1			21.8	23.6	23.7	
Daily Range		9.2			12.7	12.4	13.2	
Maximum in Shade		54.7			55.8	55.0	57.7	
Minimum in Shade		41.6			34.0	31.4	34.0	
Temperature of Dew Point		44.5			42.6	43.1	43.6	
Hygrometrical condition of the Atmosphere.								
Degree of Humidity (Saturation—1,000)		GRS. 0.890	NO RETURN.	NO RETURN.	GRS. 0.910	GRS. 0.942	GRS. 0.928	NO RETURN.
Prevailing Winds					S,SE	S,SW	SE,SW	
Rain					0.054	0.319	0.100	
Ozonometer.								
Moffat					7.40	2.60	1.80	
Schonbein.....								

February 23, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MARCH 2, 1867.

No. 344.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 2nd instant, 1533 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the numbers were 1543 and 1571. At the same time the deaths among patients of the pauper and hospital class amounted to 65, being in the proportion of 1 death to every 23 cases,

Sixty-one new cases of Continued Fever were recorded during the week, of which 20 proved examples of Typhus. In the corresponding week of last year the seizures under this column amounted to 135. Although Fever on the whole is far less general than in the early part of 1866, it is still very prevalent in certain quarters of the town. In some of the low-lying districts of Salford it has occasioned much distress. In a single house, No. 20, Sandon Street, Greengate, 11 persons have contracted true Typhus Fever in the course of the last three months. All these cases have been regularly visited by one of the district Nurses of the Nurse Training Institution. It is very important that the authorities should take some steps to discover, and after discovery, to check such wholesale diffusion of fever as has been observed in this dwelling. We have been informed likewise that cases of the same type have of late broken out in some of the neighbouring houses.

Bronchitis and kindred affections of the chest have not as yet been influenced by the late severe weather, but we may soon (if the cold lasts) expect to find a heavy increase under these columns.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 231 deaths were registered in the eleven districts of the Sanitary Association. In the two preceding weeks the death-rate was somewhat higher.

On examining the causes of death we find that Diseases of the Lungs proved fatal to 75 persons. In the corresponding week of last year the deaths under this column amounted to 100.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 242.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39.0°; at the Royal Infirmary, it was 39.8°; at Old Trafford, 37.6°; and at Eccles, 37.5°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina	1	..	..	..	2	..	3	..	..	..	..	..	..	..	2	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Croup .....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Diarrhoea	1	2	..	..	..	..	3	3	..	2	..	..	1	4	5	..
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Continued Fever	a2	a1	5	..	a3	b4	15	13	c3	..	d1	e5	..	..	..	..
Erysipelas .....	..	..	..	..	..	1	1	4	..	..	..	1	..	..	..	..
Rheumatism	3	2	..	..	..	2	7	10	3	11	2	1	1	1	11	..
Neuralgic Affections .....	..	..	..	..	..	..	..	2	..	4	..	1	..	..	2	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	7	..	12	..	..	..	..	2	..
Phthisis .....	..	1	..	..	..	..	1	9	..	22	3	6	2	1	3	..
Insanity .....	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh .....	..	6	2	..	..	11	19	17	..	24	2	4	..	7	22	..
Pleurisy and Pneumonia .....	..	..	..	1	..	..	1	4	..	4	1	..	1	1	2	..
Skin Diseases .....	..	..	..	..	..	..	..	16	..	8	..	1	..	1	19	..
Dyspepsia .....	..	..	1	..	..	..	1	..	..	16	..	..	..	2	17	..
Atrophy and Anæmia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Accidents and diseases not classified	9	5	12	4	3	6	39	65	42	233	6	3	18	46	8	..
TOTAL	17	18	20	5	8	24	92	156	48	336	15	22	23	64	95	19

a Removed to Workhouse. b 2 Typhus, 1 removed to Workhouse. c 2 Typhus, and 1 Typhoid. d Febricula.

Medical Officers to whom the Association

1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORNE,
2) J. BROADBENT,	(6) Dr. LEDWARD,	(10) " W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD,
3) " EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) " C. J. CULLINGWORTH,	(15) " J. OGDEN FLEMING,
4) Dr. BRADDON	(8) Dr. GEORGE REEL,	(12) " " "	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 2nd day of March, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477.			646. ...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850. ..		21739	24,448				Population in 1861.		
LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.	
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	f1	..	..	..	..	1	3	Small-pox .....	..
..	5	..	..	..	..	..	..	..	..	..	..	5	..	Chicken-pox .....	..
2	..	5	..	..	..	..	..	1	..	..	6	14	3	Measles .....	..
..	..	2	..	..	2	..	..	..	1	..	..	10	5	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	2	1	..	..	4	26	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	2	Croup	1
1	1	5	2	..	2	..	1	1	..	..	2	37	20	Diarrhoea	1
..	..	..	..	..	..	..	2	1	..	..	..	4	3	Dysentery .....	..
5	..	7	..	..	1	..	1	6	..	d2	2	61	135	Continued Fever	3
..	..	..	..	..	..	..	..	..	..	..	..	6	7	Erysipelas .....	..
..	1	11	1	1	1	..	2	4	1	2	8	82	71	Rheumatism .....	..
..	..	3	..	..	..	..	..	..	..	..	1	14	13	Neuralgic Affections ..	..
..	..	4	..	..	..	..	1	..	..	..	2	31	32	Constitutional Syphilis	1
1	1	9	..	1	2	1	2	1	..	5	3	76	73	Phthisis	7	
..	..	..	..	..	..	..	..	..	..	..	..	7	16	Insanity .....	..
3	5	34	..	3	5	6	4	10	10	16	15	211	256	Bronchitis, Influenza, and Catarrh.....	8	
..	..	3	..	..	..	..	..	..	1	1	..	20	17	Pleurisy & Pneumonia.	2
..	6	29	..	..	..	..	..	4	..	..	16	105	54	Skin Disease.....	..
1	..	16	..	..	1	1	3	..	2	5	8	75	98	Dyspepsia .....	..
..	..	2	..	..	..	..	..	..	..	..	1	5	4	Atrophy and Anæmia..	5
7	11	105	3	7	5	2	7	24	23	51	54	764	642	Accidents and diseases not classified.....	36	
20	30	235	6	12	19	10	24	54	39	82	118	1533	1480	.... TOTAL	65

e 1 Typhus 4 Febricula.

f Modified.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L.WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ S. WOODCOCK,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	1	..	1	..	1	2	6	3
Measles .....	..	..	..	..	..	..	..	..	..	..	1	1	18
Whooping-cough.....	..	..	..	..	..	..	..	..	..	..	..	7	6
Scarlatina	2	..	..	..	1	3	1	..	..	..	..	7	2
Diarrhoea	1	1	3	..	1	..	..	..	..	1	..	7	26
Fever	4	2	62	..	61	..	61	1	1	..	61	13	100
Diseases of the Lungs	13	9	7	5	1	8	5	3	4	18	2	75	157
Other causes.....	15	20	17	9	9	66	13	3	12	14	4	122	
TOTAL NO. OF DEATHS.	35	33	29	14	13	18	20	8	17	34	10	231	312
TOTAL NO. OF BIRTHS.	43	47	11	19	21	32	44	13	32	64	29	355	327

a 5 Inquests. b Typhus. c Gastric. d 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL.	DISEASE.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL
53	74	77	204	.....Small-pox.....	17	9	..	26
9	..	1	10	..... Chicken-pox	2	2	17	21
51	12	18	81	..... Measles	74	53	45	172
47	30	21	98	.....Scarlatina.....	31	22	36	89
1	..	6	7	..... Diphtheria	3	..	..	3
65	87	82	234	.... Whooping-cough	10	23	23	56
1	1	4	6	.....Croup.....	4	6	3	13
202	145	174	521	.....Diarrhoea.....	189	145	131	465
3	3	4	10	.....Dysentery.....	13	9	16	38
..	..	..	..	..... Cholera .....	..	..	..	..
13	22	10	45	.....Erysipelas.....	29	26	28	83
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
15	10	9	34	..... Insanity	33	29	45	107
1119	1112	1121	3352	..Bronchitis and Catarrh..	1220	1544	1157	3921
9	17	15	41	..... Pleurisy	102	101	125	328
33	21	17	71	..... Pneumonia .....	..	..	..	..
..	3	5	8	..... Carbuncle .....	..	..	..	..
3656	3107	4004	10767	{ Accidents, and all other Diseases. }	5309	4546	4707	14562
5277	4644	5568	15489	..... TOTAL	7036	6515	6333	19884

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	4.283	18							
Castleton Moor	4.221	16							
Old Trafford ..	2.930	12							
Eccles	2.590	18							
Wilmslow	2.302	16							
Penketh .....	..	..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.296	30.308	30.299	30.303	30.309		30.292
Highest.....			30.744	30.710	30.707	30.680	30.258		30.350
Lowest			29.800	29.831	29.829	29.752	29.356		29.468
Range			0.944	0.879	0.878	0.828	0.902		0.882
Temperature.									
Adopted Mean			39.8	37.6	37.5	36.8	36.6		36.9
Range for Week			21.5	25.0	21.1	25.1	24.0		23.3
Daily Range			10.8	14.8	14.8	14.9	14.3		12.2
Maximum in Shade			50.8	49.0	48.8	48.2	46.0		46.5
Minimum in Shade			29.3	24.0	27.7	23.1	22.0		23.2
Temperature of Dew Point			36.3	33.1	32.0	32.9	33.7		32.9
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.873	GRS. 0.844	GRS. 0.811	GRS. 0.857	GRS. 0.889	NO RETURN.	GRS. 0.854
Prevailing Winds				SW, NE	W, E, NE	N, NW	NE, SW		NE, SW
Rain				0.437	0.302	0.412	0.420		0.465
Ozonometer.									
Moffat				0.00	3.40	....	....		....
Schonbein .....				....	....	3.86	3.10		....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MARCH 9, 1867.

No. 345.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 9th instant, 1542 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths at the same time among patients of the poorer class amounted to 70, being in the proportion of 1 death to every 24 cases.

There is a slight increase under Continued Fever, 72 new cases being recorded in the course of the week; of these 72 cases 33 proved examples of True Typhus. In our last report we directed attention to an outbreak of fever in a house (20, Sandon Street,) situated in one of the low-lying districts of Salford. On the 16th of November,—the day on which the Irwell overflowed its banks to a most unusual extent,—there were four feet of water in the room usually occupied by the two families who inhabit this dwelling. The grandmother was compelled to wade through the water, which reached above her waist, in order to escape from the flood. The next day she was seized with rigors, which were followed by a protracted attack of fever. Many other inmates (10 in all) of this house (including a baby at the breast) have since then been prostrated by fever. In another street, Durham-street, 5 more cases of fever have lately been observed in one house. Ryland-street also, especially the lower end, is in a disgustingly dirty and neglected state, as the inspector of nuisances may learn by visiting the midden next to No. 73, and several others, which ought long ago to have been emptied.

The seizures from Bronchitis and kindred affections of the chest amounted to 283, 52 more than in the previous week.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 283 deaths were registered in the eleven districts of the Sanitary Association, 52 more than in the previous week. This increase in the death-rate was directly due to the cold weather; this is readily proved by turning to the table in which the causes of death are given.

It will be seen that this increase is almost entirely due to the mortality arising from Diseases of the Lungs. In the two preceding weeks 76 and 75 persons died from these disorders, last week 113.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 35.3°, or nearly 5 degrees below the average for the season; at the Royal Infirmary, it was 37.1°; at Old Trafford, 37.5°; and at Eccles, 36.1°. It will thus be seen that the weather here was warmer than in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN

New Cases of Disease coming under Treatment Durin

MANCHESTER.																	
Area in Statute Acres	Manchester Township 1,645																
Population in 1861	" " 185,050																
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.									
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.		
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Scarlatina .....	..	2	..	..	..	1	3	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	1	1	..	..	2	..	..	..	1	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	2	3	..	..	..	1	6	2	..	..	..	..	..	5	5	3	..
Dysentery .....	..	1	..	..	1	..	2	1	..	1	..	..	..	..	..	..	..
Continued Fever.....	a3	..	3	..	1	a2	9	22	..	..	b1	c3	d1	8	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Rheumatism	2	2	..	..	..	..	4	13	1	16	..	8	..	2	6	2	..
Neuralgic Affections .....	..	..	..	..	..	..	..	1	1	3	..	..	..	..	..	2	..
Constitutional Syphilis .....	..	..	..	..	..	1	1	2	..	14	..	..	..	..	..	3	..
Phthisis .....	..	..	..	1	..	..	1	9	2	18	1	3	5	1	..	1	..
Insanity .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	3	4	4	3	17	34	17	..	31	3	6	2	11	27	4	..
Pleurisy and Pneumonia....	1	..	1	..	..	..	2	6	2	5	..	..	1	..	..	..	..
Skin Diseases.....	..	..	..	..	..	..	..	13	..	11	..	..	..	3	16	..	..
Dyspepsia .....	..	..	..	1	..	..	1	7	..	17	..	..	..	1	19	2	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	11	6	15	8	6	9	55	74	40	226	4	7	12	51	15	2	..
TOTAL	22	17	23	14	11	32	119	171	46	344	9	27	21	83	89	19	..

a 1 Removed to Workhouse.

b Febricula.

c 1 Typhus, and 2 Febricula.

d Typhus.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FLETO
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

REPORTS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 9th day of March, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
... 1,329 477.....			.. 646...		508. 2650.....					Area in Statute Acres.	
... 70,967. 68,209. 44,850..		2173924,448.....					Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	a1	..	..	1	2	Small-pox .....	..
..	5	..	..	..	..	..	..	..	..	..	1	6	..	Chicken-pox .....	..
..	..	6	..	..	..	..	..	..	..	..	5	12	1	Measles .....	..
..	..	1	..	..	..	..	..	..	..	..	..	4	1	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	..	..	..	..	..	..	6	29	Whooping-cough ....	..
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Croup .....	..
1	..	6	5	1	..	..	..	..	..	..	3	38	28	Diarrhoea	3
..	..	..	..	..	..	..	..	..	..	..	..	4	..	Dysentery .....	..
..	g4	8	..	..	3	b2	a1	3	..	..	f5	72	138	Continued Fever	5
..	..	1	..	..	..	..	..	..	..	..	..	3	6	Erysipelas .....	..
1	1	12	..	..	4	1	1	1	..	3	5	82	75	Rheumatism .....	..
..	..	4	..	..	..	..	..	..	..	..	1	12	17	Neuralgic Affections ..	..
..	..	2	..	..	..	..	1	..	..	..	3	26	30	Constitutional Syphilis	1
2	2	11	..	..	..	1	1	1	..	4	4	68	62	Phthisis	17
..	..	..	..	..	..	..	..	..	..	..	..	1	7	Insanity .....	..
9	8	31	1	6	6	3	9	7	5	21	13	261	275	Bronchitis, Influenza, and Catarrh.....	17	
..	..	4	..	..	1	..	..	1	..	..	..	22	11	Pleurisy & Pneumonia.	1
..	1	25	..	..	..	3	2	..	..	..	5	79	62	Skin Disease.....	..
1	..	13	1	..	..	2	3	..	..	5	1	75	103	Dyspepsia .....	..
..	..	2	..	..	..	..	..	..	..	..	..	3	2	Atrophy and Anæmia..	..
12	7	110	2	5	3	3	8	21	5	47	52	766	611	Accidents and diseases not classified.....	25	
26	28	239	9	12	17	15	26	34	11	80	98	1542	1460	.... TOTAL.....	70

e Typhus, removed to Workhouse.

g 3 Typhus and 1 Typhoid.

f 4 Typhus.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. JOHN A. EATOCK,
(28) .. S. WOODCOCK,

The reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowe.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	3	..	..	3	1	1	..	..	8	3
Measles .....	..	2	..	..	..	..	1	..	..	..	1	4	4
Whooping-cough.....	5	..	1	1	..	..	2	..	..	..	..	9	20
Scarlatina.....	1	1	..	..	2	..	..	..	1	..	..	6	8
Diarrhœa	5	1	al	al	..	1	..	..	al	1	1	12	28
Fever	16	12	15	4	3	17	4	4	8	25	5	113	118
Diseases of the Lungs	12	12	21	14	6	113	125	6	7	9	6	131	171
Other causes.....													
TOTAL NO. OF DEATHS.	39	28	38	23	11	31	35	11	18	36	13	283	360
TOTAL NO. OF BIRTHS.	40	42	10	15	26	36	12	26	44	66	30	347	348

a Typhus. b 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL.	DISEASE.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL
53	74	77	204	.....Small-pox.....	17	9	..	26
9	..	1	10	.....Chicken-pox.....	2	2	17	21
51	12	18	81	.....Measles.....	74	53	45	172
47	30	21	98	.....Scarlatina.....	31	22	36	89
1	..	6	7	.....Diphtheria.....	3	..	..	3
65	87	82	234	....Whooping-cough....	10	23	23	56
1	1	4	6	.....Croup.....	4	6	3	13
202	145	174	521	.....Diarrhœa.....	189	145	131	465
3	3	4	10	.....Dysentery.....	13	9	16	38
..	..	..	..	.....Cholera.....	29	26	28	83
13	22	10	45	.....Erysipelas.....	..	..	..	..
..	..	..	..	....Puerperal Fever....	..	..	..	..
15	10	9	34	.....Insanity.....	33	29	5	107
1119	1112	1121	3352	..Bronchitis and Catarrh..	1220	1544	1157	3921
9	17	15	41	.....Pleurisy.....	102	101	125	328
33	21	17	71	.....Pneumonia.....				
..	3	5	8	.....Carbuncle.....	..	..	..	..
3656	3107	4001	10767	{ Accidents, and all other Diseases. }	5309	4516	4707	14562
5277	4644	5568	15489	.....TOTAL.....	7036	6515	6333	19884

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY.									
	Inches.	Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J.C. BATES.
Royton	4.283	18							
Castleton Moor	4.221	16							
Old Trafford ..	2.930	12							
Eccles	2.590	18							
Wilmslow	2.355	17							
Penketh .....	.....	..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.084	30.051	29.983	30.050	30.044	30.055	30.036
Highest.....			30.800	30.696	30.687	30.680	30.191	30.794	30.300
Lowest			29.430	29.324	29.373	260	28.844	29.150	28.922
Range			1.370	1.372	1.314	1.320	1.347	1.344	1.378
Temperature.									
Adopted Mean			37.1	37.5	36.1	36.1	34.2	36.0	35.0
Range for Week			22.5	26.0	25.6	19.7	24.8	25.6	21.7
Daily Range.....			10.9	12.8	11.8	11.0	10.3	15.5	11.2
Maximum in Shade			49.7	50.0	49.8	47.8	47.5	49.9	46.0
Minimum in Shade			27.2	24.0	24.2	23.1	22.7	28.4	24.3
Temperature of Dew Point			33.9	29.4	31.1	31.8	32.0	31.9	32.4
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.882	GRS. 0.728	GRS. 0.822	GRS. 0.840	GRS. 0.920	GRS. 0.806	GRS. 0.901
Prevailing Winds .....			.....	NE	NE	E, NE	NE	E, NE	NE
Rain .....			.....	0.180	0.300	0.069	0.340	0.154	0.294
Ozonometer.									
Moffat .....			.....	0.00	3.71	.....	.....	.....	.....
Schonbein.....			.....	.....	.....	6.14	0.00	1.14	.....

March 9, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MARCH 16, 1867.

No. 346.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 16th instant, 1576 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. Among these patients there were 74 deaths,—1 death to every 21 cases.

The effects of the late bitterly cold weather are seen in the increase of the various forms of chest affections. During the last three weeks the new cases under this column amounted respectively to 231, 275, and 345, showing an increase in the last fortnight of 114 cases.

The seizures from Continued Fever amounted in the course of the week to 66,—28 of these cases proved examples of Typhus Fever. In some quarters of the town this form of fever seems to be gaining ground. Mr. W. H. Sutcliffe reports 5 cases of Typhus in his district, 4 of which were removed to the fever wards of the Royal Infirmary. In referring to those cases Mr. Sutcliffe speaks of the great increase of fever in the Angel Meadow District, the cases generally being of a severe type. Mr. Westmorland, also, in his report of the Manchester Workhouse, informs us that, during the past two weeks, Typhus of a decidedly worse type has been seen among the poorer patients.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 313 deaths were registered in the eleven districts of the Sanitary Association. Here again we see the effects of the weather ;—a fortnight ago the number did not exceed 231.

There is a decided increase in the fatality of Fever and Diarrhoea, and at the same time the deaths from diseases of the chest were very numerous.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 34·1°, or upwards of 7 degrees below the average; at the Royal Infirmary it was 33·8°; at Old Trafford, 33·7°; and at Castleton Moor, 31·2°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS

New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																	
Area in Statute Acres	Manchester Township 1,645																
Population in 1861	" " 185,050																
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.									
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.		
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..
Scarlatina .....	..	1	1	1	..	..	3	1	1	..	..	..	..	..	..	..	..
Diphtheria	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	2	..	2	3	..	2	9	2	1	1	..	..	..	..	5	3	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Continued Fever	a2	b5	2	c1	a1	c4	15	15	4	..	..	d7	2	1	e1	1	..
Erysipelas	2	..	..	..	..	..	2	6	1	..	..	..	..	..	..	..	..
Rheumatism	3	..	..	..	..	..	3	9	3	9	..	3	2	1	1	2	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	6	..	1	..	..	4	1	..
Constitutional Syphilis	1	..	..	..	..	..	1	2	..	15	1	1	..	..	..	2	..
Phthisis .....	..	1	..	1	1	..	3	5	2	17	..	3	2	..	..	1	..
Insanity .....	..	..	1	..	..	..	1	3	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	7	6	4	5	5	11	38	18	..	44	2	4	6	15	33	2	..
Pleurisy and Pneumonia .....	..	..	1	..	..	..	1	11	1	3	..	..	..	..	2	..	..
Skin Diseases	4	..	..	..	..	1	5	16	..	6	..	..	..	2	18	3	..
Dyspepsia .....	..	..	..	..	..	..	..	2	..	9	1	..	..	2	19	2	..
Atrophy and Anæmia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	..
Accidents and diseases not classified	25	5	13	4	6	6	59	77	51	217	4	5	3	47	11	..	..
TOTAL	47	19	24	15	13	24	142	168	65	328	8	24	16	70	99	17	..

a 1 Removed to Workhouse.

b 3 Typhus, removed to Workhouse.

c 1 Typhus removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.
 (2) „ J. BROADBENT,
 (3) „ EDWARD MEACHAM,
 (4) Dr. BRADDON

- (5) Mr. OCTAVIUS DEAN,
 (6) Dr. LEDWARD,
 (7) Mr. J. WESTMORELAND,
 (8) Dr. GEORGE REED,

- (9) Mr. W. J. TATTERSALL,
 (10) „ W. H. SUTCLIFFE,
 (11) „ C. J. CULLINGWORTH,
 (12) „

- (13) Mr. H. RUNCORN,
 (14) Dr. WHITEHEAD,
 (15) „ J. OGDEN FL,
 (16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 16th day of March, 1867.

SALFORD.					HULME.			CHORLTON.	ARD-WICK	PENDLETON AND PENDLEBURY.					
..... 1,329 .....					..... 477 .....			... 646 ...	508.	..... 2650				Area in Statute Acres.	
..... 70,967. ....					... 68,209. ...			.. 44,850 ..	21739	..... 24,448				Population in 1861.	
DOORLAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.
6	17	18	19	20	21	22	23	24	25	26	27	28			DEATHS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox
..	..	..	3	..	..	..	..	..	..	..	..	3	9	..	Measles
..	..	..	2	..	..	..	..	..	..	..	..	..	7	8	Scarlatina
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Diphtheria
..	..	..	1	..	..	..	..	..	..	..	..	..	3	24	Whooping-cough
..	..	..	1	..	..	..	..	..	..	1	..	1	3	..	Croup
..	..	..	2	3	1	1	1	2	1	..	1	..	33	28	Diarrhoea
..	1	..	..	..	..	..	..	..	..	..	..	..	2	33	Dysentery
..	4	2	4	..	..	1	2	1	5	..	1	..	66	131	Continued Fever
..	..	..	..	..	1	..	..	..	1	..	..	..	11	6	Erysipelas
4	1	..	6	..	..	..	1	2	5	..	..	6	58	50	Rheumatism
..	..	..	..	..	..	..	..	..	..	..	..	1	14	9	Neuralgic Affections ..
..	..	..	5	1	..	..	..	..	..	..	..	2	30	38	Constitutional Syphilis
1	..	..	7	..	2	..	..	..	3	..	7	3	56	67	Phthisis
..	..	1	..	..	..	1	..	..	..	..	..	..	6	5	Insanity
9	5	10	43	2	8	4	8	7	13	6	28	18	323	291	Bronchitis, Influenza, and Catarrh.....
..	..	..	1	..	..	..	1	..	1	..	1	..	22	20	Pleurisy & Pneumonia.
..	..	9	27	..	..	2	..	..	..	..	..	4	92	65	Skin Disease.....
..	1	1	13	..	..	..	1	3	3	..	4	7	68	93	Dyspepsia
..	..	..	4	..	..	..	..	..	..	..	..	2	11	1	Atrophy and Anæmia..
6	14	11	94	2	4	4	3	5	25	4	60	55	761	655	Accidents and diseases not classified.....
20	26	34	213	8	16	13	17	20	57	11	102	102	1576	1525	.... TOTAL

d 5 Typhus, 4 removed to Infirmary Fever-ward.

e Typhus.

f 1 Typhoid.

is indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

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(26) .. J. V. L. WESTMACOTT,
(27) .. JOHN A. EATOCK,
(28) .. S. WOODCOCK,

in the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	2	1	..	..	..	..	..	1	..	1	6	1
Measles	2	..	..	..	..	3	1	..	..	1	1	7	3
Whooping-cough.....	3	..	..	..	..	..	..	..	1	..	1	5	13
Scarlatina	2	3	2	..	2	1	1	2	2	1	..	16	8
Diarrhoea	1	1	c8	..	1	..	e2	3	1	1	..	18	5
Fever	17	11	9	8	4	11	6	2	8	14	4	94	20
Diseases of the Lungs	a17	b21	20	d7	8	7	f25	8	17	27	d10	167	113
Other causes.....													158
TOTAL NO. OF DEATHS.	43	38	40	15	15	22	35	15	30	44	16	313	321
TOTAL NO. OF BIRTHS.	34	31	25	11	15	19	34	28	31	65	23	321	359

a 9 Inquests. b 6 Inquests. c 6 Typhus. d 2 Inquests. e Typhus. f 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL.	DISEASE.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL
53	74	77	204	..... Small-pox.....	17	9	..	26
9	..	1	10	..... Chicken-pox	2	2	17	21
51	12	18	81	..... Measles	74	53	45	172
47	30	21	98	..... Scarlatina.....	31	22	36	89
1	..	6	7	..... Diphtheria	3	..	..	3
65	87	82	234	.... Whooping-cough	10	23	23	56
1	1	4	6	..... Croup.....	4	6	3	13
202	145	174	521	..... Diarrhoea	189	145	131	465
3	3	4	10	..... Dysentery.....	13	9	16	38
13	22	10	45	..... Cholera	29	26	23	83
..	..	..	..	..... Erysipelas.....	..	..	..	..
15	10	9	34	.... Puerperal Fever ....	..	..	..	..
1119	1112	1121	3352	..... Insanity	33	29	5	107
9	17	15	41	.. Bronchitis and Catarrh..	1220	1544	1157	3921
33	21	17	71	..... Pleurisy	102	101	125	328
..	3	5	8	..... Pneumonia .....	..	..	..	..
3656	3107	4004	10767	..... Carbuncle.....	..	..	..	..
				{ Accidents, and all other Diseases. }	5309	4516	4707	14562
5277	4644	5568	15489	..... TOTAL	7036	6515	6333	19884

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN FEBRUARY.			Royal Infirmary, Dr. REED.		Old Trafford, G. V. VERNON, Esq.		Eccles, T. MACKERRETH Esq.		Wilmslow, J. THOMPSON, Esq.		Royton, J. HEAP, Esq.		Penketh, Warrington. L. W. REYNOLDS Esq.		Castleton Moor, Rev. J. C. BATES.	
Inches.	Wet Days.															
Royton	4.283	.....	18													
Castleton Moor	4.221	.....	16													
Old Trafford ..	2.930	.....	12													
Eccles	2.590	.....	18													
Wilmslow	2.355	.....	17													
Penketh	2.046	.....	15													
Height of barometer cistern above sea level			130 ft.		123 ft		145 ft.		251 ft.		544 ft.		44 ft.		475 ft.	
Barometer.			INS.		INS.		INS.		INS.		INS.		INS.		INS.	
Mean @ 32° F., and reduced to sea level			29.814		29.811		29.807		29.786		29.830		29.802		29.802	
Highest.....			30.088	Unreduced {	30.004	Unreduced {	29.989	Unreduced {	29.880	Unreduced {	29.542	Unreduced {	30.088	Unreduced {	29.584	Unreduced {
Lowest			29.342		29.258		29.282		29.134		28.800		29.380		28.888	
Range			0.746		0.746		0.707		0.746		0.742		0.708		0.796	
Temperature.																
Adopted Mean			33.8		33.7		33.1		31.7		31.2		32.7		31.2	
Range for Week			16.1		22.8		20.1		20.7		18.4		20.4		15.5	
Daily Range.....			8.5		9.6		9.5		10.3		7.1		10.6		8.4	
Maximum in Shade			42.3		43.8		41.3		39.3		37.4		41.1		36.5	
Minimum in Shade			26.2		21.0		21.2		18.6		19.0		20.7		21.0	
Temperature of Dew Point			29.9		29.2		29.3		28.1		29.7		26.5		29.7	
Hygrometrical condition of the Atmosphere.																
Degree of Humidity (Saturation—1,000)			GRS. 0.855		GRS. 0.837		GRS. 0.851		GRS. 0.860		GRS. 0.942		GRS. 0.774		GRS. 0.942	
Prevailing Winds .....			.....		NE		N, NE		NE		NE		E, NE		NE	
Rain .....			.....		0.100		0.091		0.105		0.000		0.233		0.000	
Ozonometer.																
Moffat .....			.....		0.00		2.43		.....		.....		.....		.....
Schonbein.....			.....		.....		.....		3.71		2.40		3.70		.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MARCH 23, 1867.

No. 347.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The returns for the week are still unsatisfactory. The effects of the late intensely cold weather are still seen. In the week ending Saturday, March 23rd, 1525 new cases of disease and injuries occasioned by accidents were observed among the pauper and hospital patients of Manchester and Salford; at the same time there were 79 deaths,—1 death in every 19 cases,—a very high rate.

Continued Fever, under its various forms, appears to be gaining ground, 78 new cases being recorded, 12 more than in the previous week; 26 of these cases proved examples of Typhus. The rise under Continued Fever is probably to be attributed to the cold weather, inasmuch as the hovels of the poor are, at such seasons, more than usually crowded.

The seizures from Bronchitis and kindred affections of the chest, though still numerous, proved somewhat less general than in the previous week. The cases, however, were on the whole severe, and the death rate under this column proportionately high.

Not a single case of Small Pox has been recorded during the last fortnight.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 295 deaths were registered in the eleven districts of the Sanitary Association. That this heavy death rate was due in a great measure to cold, is shown by the excessive mortality assigned to diseases of the lungs,—no fewer than 129 deaths being assigned to this cause.

In London, according to the last return of the Registrar General, the deaths exceeded the estimated average by 185.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 35.5° , or 6 degrees below the average; at the Royal Infirmary it was 34.4° ; at Old Trafford, 34.6° ; and at Eccles, 35° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																	
Area in Statute Acres		Manchester Township 1,645															
Population in 1861		" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.									
								ROYAL INFIRMARY.					CHILDREN				
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	1	..	..	..	1	3	1	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	1	..	1	..	..	2	1	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	1	1	..	..	2	..	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	1	..	1	..	2	5	2	..	..	..	..	..	1	2	4	..
Dysentery	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Continued Fever.....	a4	b6	6	c2	c1	d3	22	26	e4	..	e1	..	2	1	..	1	..
Erysipelas .....	..	..	..	..	1	1	2	4	..	..	..	..	..	..	..	..	..
Rheumatism	2	..	1	..	..	1	4	6	3	12	..	4	2	1	..	2	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	1	1	..	..	..	..	4	..	..
Constitutional Syphilis	1	..	..	..	..	2	3	8	..	6	1	..	..	..	1	3	..
Phthisis	1	1	..	3	..	1	6	6	..	18	..	4	..	..	..	2	..
Insanity	1	1	..	..	..	..	2	3	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	4	3	13	..	14	36	30	3	40	2	9	7	13	14	3	..
Pleurisy and Pneumonia....	1	2	..	1	..	..	4	4	..	5	1	2	1	..	..	..	..
Skin Diseases.....	..	..	..	..	..	..	..	17	..	12	..	..	1	..	6	2	..
Dyspepsia .....	..	1	..	1	..	..	2	10	..	15	..	..	..	2	2	3	..
Atrophy and Anæmia. ....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	15	11	8	11	6	13	64	57	40	213	1	5	10	48	5	..	..
TOTAL	30	29	18	33	8	40	158	175	51	325	6	24	23	66	34	20	..

a 3 Removed to Workhouse. b 4 Typhus, removed to Workhouse. c Removed to Workhouse.

Medical Officers to whom the Association

- | | | | |
|-----------------------|--------------------------|----------------------------|------------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. J. TATTERSALL, | (13) Mr. H. RUNCORN, |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. H. SUTCLIFFE, | (14) Dr. WHITEHEAD, |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ C. J. CULLINGWORTH, | (15) „ J. OGDEN FLEET, |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) „ | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 23rd day of March, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						
1,329				477			646		508	2650				Area in Statute Acres.		
70,967				68,209			44,850		21739	24,448				Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Small-pox	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox	..
..	..	2	..	..	..	4	1	1	..	..	4	16	8	Measles	..
..	..	3	..	..	..	..	..	..	..	1	..	7	9	Scarlatina	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria	..
..	..	3	..	..	..	..	1	..	..	..	..	7	21	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup	..
..	..	4	2	..	2	1	..	2	..	..	4	31	35	Diarrhoea	4
1	..	1	..	..	..	..	..	..	..	..	..	4	..	Dysentery	..
e3	4	6	..	..	1	3	..	..	..	1	2	78	146	Continued Fever	6
..	..	1	..	..	..	1	..	..	..	..	..	8	7	Erysipelas	..
..	..	8	..	1	5	1	1	..	..	..	5	57	59	Rheumatism	..
1	..	2	..	..	..	1	..	..	..	..	1	13	18	Neuralgic Affections	..
..	..	5	..	1	..	..	..	..	..	..	2	30	40	Constitutional Syphilis	1
2	1	6	..	1	1	..	1	2	..	8	3	61	54	Phthisis	9	
..	2	..	..	1	..	..	..	..	1	..	..	10	9	Insanity	..
6	5	7	41	4	6	9	14	7	11	4	26	14	311	Bronchitis, Influenza, and Catarrh	12	
..	1	1	..	..	..	..	..	..	..	2	..	21	21	Pleurisy & Pneumonia	1
..	..	22	1	..	..	..	..	..	..	..	5	66	50	Skin Disease	..
2	..	12	..	..	2	1	4	2	..	6	5	68	85	Dyspepsia	1
..	..	2	..	..	..	..	1	..	..	..	..	4	1	Atrophy and Anæmia	..
6	8	7	97	3	5	3	9	8	29	4	60	51	752	Accidents and diseases not classified	44	
2	20	22	216	10	15	23	35	24	47	9	104	96	1525	1591 TOTAL	79

d Typhus, removed to Workhouse.

e Typhus.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ GEORGE CLEMMENTS,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles .....	..	..	1	1	..	1	2	..	..	..	..	5	..
Whooping-cough .....	..	..	..	..	..	..	2	..	..	..	1	3	21
Scarlatina	4	1	..	..	..	..	..	..	..	1	..	6	3
Diarrhoea	2	2	..	..	2	2	3	1	..	1	..	13	10
Fever .....	..	2	2	1	1	1	2	..	..	..	..	9	24
Diseases of the Lungs	16	16	12	10	9	17	6	3	11	23	6	129	115
Other causes	10	12	17	1	12	10	22	9	9	23	5	130	183
TOTAL NO. OF DEATHS.	32	33	32	13	24	31	37	13	20	48	12	295	358
TOTAL NO. OF BIRTHS.	34	29	7	14	14	34	34	15	25	80	31	317	336

a Typhus. b Typhoid. c 5 Inquests. d 4 Inquests. e 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL.	DISEASE.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL
53	74	77	204	..... Small-pox	17	9	..	26
9	..	1	10	..... Chicken-pox	2	2	17	21
51	12	18	81	..... Measles	74	53	45	172
47	30	21	98	..... Scarlatina	31	22	36	89
1	..	6	7	..... Diphtheria	3	..	..	3
65	87	82	234	.... Whooping-cough	10	23	23	56
1	1	4	6	..... Croup	4	6	3	13
202	145	174	521	..... Diarrhoea	189	145	131	465
3	3	4	10	..... Dysentery	13	9	16	38
..	..	..	..	..... Cholera .....	..	..	..	..
13	22	10	45	..... Erysipelas	29	26	28	83
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
15	10	9	34	..... Insanity	33	29	5	107
1119	1112	1121	3352	.. Bronchitis and Catarrh..	1220	1544	1157	3921
9	17	15	41	..... Pleurisy	102	101	125	328
33	21	17	71	..... Pneumonia .....	..	..	..	..
..	3	5	8	..... Carbuncle .....	..	..	..	..
3656	3107	4004	10767	{ Accidents, and all other Diseases. }	5309	4546	4707	14562
5277	4644	5568	15489	..... TOTAL	7036	6515	6333	19884

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN FEBRUARY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	4.283	18							
Castleton Moor	4.221	16							
Old Trafford ..	2.930	12							
Eccles	2.590	18							
Wilmslow	2.355	17							
Penketh	2.046	15							
Height of barometer at station above sea level			130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.628	29.717	29.702	29.674	29.660	29.682	29.659
Highest			30.046	29.971	29.953	29.868	29.475	30.050	29.566
Lowest			29.338	29.370	29.307	29.210	28.800	29.376	28.928
Range			0.708	0.601	0.646	0.628	0.675	0.674	0.638
Temperature.									
Adopted Mean			34.4	34.6	35.0	34.6	33.4	33.8	33.6
Range for Week			17.5	29.4	28.5	23.6	27.5	29.7	26.5
Daily Range			8.7	12.7	11.7	7.2	13.0	13.2	11.7
Maximum in Shade			43.7	50.0	49.6	48.8	47.0	48.0	47.0
Minimum in Shade			26.2	20.6	21.1	25.2	19.5	18.3	20.5
Temperature of Dew Point			30.7	30.1	30.3	28.8	31.0	27.6	32.5
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0.864	0.832	0.820	0.790	0.911	0.778	0.959
Prevailing Winds .....			.....	NE	NE, SE	E, SE	E	E, SE	E
Rain .....			.....	0.440	0.544	0.433	0.730	0.712	0.660
Ozonometer.									
Moffat .....			....	0.43	2.28	....	....	....	....
Schonbein .....			....	0.28	....	5.71	2.40	4.90	....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MARCH 30, 1867.

No. 348.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 30th ultimo, 1534 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; there were at the same time among patients of the hospital and pauper class 74 deaths,—1 death in every 20 patients.

It is satisfactory to be able to record a very decided improvement under Continued Fever; last week only 50 new cases were returned. In the two previous weeks the numbers were 66 and 78, and in the corresponding week of last year 101. Of the 50 Fever cases only 15 are assigned to true Typhus. In a late summary attention was directed to the fact of 10 cases of fever having occurred in No. 20, Sandon Street. In this house fever was allowed to run its own course without any efforts being made to stay its diffusion,—as might have been anticipated from this gross carelessness we now learn that this disease has appeared in one of the adjoining houses. Mr. Teale reports that 3 cases of fever were sent to the Workhouse from a single house—a continuation of 20, Sandon Street.

Considerably fewer cases of Bronchitis and kindred affections of the chest, were observed last week than in the two which preceded it. The numbers for the three weeks being 345, 332, and 303. The improvement under the diseases of this class is doubtless to be ascribed to the favourable change in the weather.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 274 deaths were registered in the eleven districts of the Sanitary Association. In the two previous weeks the numbers were 313 and 295.

Diseases of the Chest proved fatal to 101 persons and fever to 22.

It is satisfactory to find that the last three returns do not announce a single fatal case of Small-Pox.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.6°; at the Royal Infirmary it was 45.0°; at Eccles and Old Trafford, 44.9°; and at Wilmslow 44.0°. At several meteorological stations very large quantities of ozone were recorded.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	1	..	..	2	..	..	..	..	2	..	..	..	..
Scarlatina .....	..	..	..	1	1	..	2	..	..	..	..	..	..	..	1	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	..	..	1	..	2	3	..	..	5	..	..	1	4	..	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	a3	..	2	..	a1	b6	12	8	c3	..	..	a1	1	3	..	..
Erysipelas .....	..	..	..	..	..	1	1	3	..	..	..	..	..	..	..	..
Rheumatism	1	2	1	..	..	..	4	6	1	17	1	2	3	1	1	..
Neuralgic Affections .....	..	..	..	..	..	..	..	2	1	2	..	1	..	..	1	..
Constitutional Syphilis .....	..	..	..	1	..	..	1	9	..	15	..	..	1	..	1	..
Phthisis	1	..	..	..	1	..	2	6	..	19	2	4	3	1	1	..
Insanity .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	5	..	1	1	9	20	23	1	37	3	4	7	16	14	..
Pleurisy and Pneumonia	1	..	..	2	..	..	3	4	..	7	3	..	1	..	2	..
Skin Diseases .....	..	..	..	..	..	..	..	13	..	10	..	..	2	1	8	..
Dyspepsia .....	..	1	..	1	..	..	2	11	..	12	..	..	..	2	12	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	10	7	8	4	4	6	39	93	26	198	6	..	8	60	11	3
TOTAL	22	15	11	12	8	24	92	180	32	322	15	14	28	88	52	23

a Removed to Workhouse.

b 3 Typhus, removed to Workhouse.

c 2 Typhus and 1 Typhoid.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REED,

(9) Mr. W. J. TATTERSALL,
(10) „ W. H. SUTCLIFFE,
(11) „ C. J. CULLINGWORTH,
(12)

(13) Mr. H. RUNCORN,
(14) Dr. WHITEHEAD,
(15) „ J. OGDEN FLEMING,
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 30th day of March, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.
..... 1,329 .....					..... 477.....			.. 646...		508.	..... 2650.....			Area in Statute Acres.	
..... 70,967. ....					.. 68,209. ..			.. 44,850..		21739	..... 24,448			Population in 1861.	
ORLAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
6	17	18	19	20	21	22	23	24	25	26	27	28				
	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Small-pox
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox
	..	..	7	..	..	..	..	..	..	..	..	3	14	3	Measles
1	..	..	3	..	..	..	..	..	1	..	1	..	9	5	Scarlatina
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria
	..	..	4	..	..	..	..	..	..	..	..	..	5	11	Whooping-cough
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup
	..	..	3	4	1	..	1	..	..	..	..	8	33	33	Diarrhoea
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Dysentery
3	..	2	9	..	..	..	4	..	1	..	1	d2	50	101	Continued Fever
	..	..	..	..	..	..	..	..	1	..	..	..	5	11	Erysipelas
2	2	..	10	1	2	6	1	4	1	..	2	3	72	69	Rheumatism	
	1	..	4	..	..	..	..	..	..	..	..	1	14	27	Neuralgic Affections ..
	..	..	5	1	..	..	..	..	..	..	1	2	39	30	Constitutional Syphilis
	2	..	9	..	2	2	..	1	..	..	6	2	63	50	Phthisis
	..	1	..	..	..	..	..	1	..	..	..	..	4	10	Insanity
6	8	7	37	3	8	12	7	6	13	3	20	17	276	243	Bronchitis, Influenza, and Catarrh.....	
	..	..	3	..	1	..	..	..	..	..	2	1	27	24	Pleurisy & Pneumonia.
1	2	2	19	..	..	1	..	1	2	..	2	10	76	57	Skin Disease.....
1	..	..	14	1	1	..	4	3	1	..	4	2	74	77	Dyspepsia
	..	..	1	..	..	..	..	..	..	..	..	..	1	1	Atrophy and Anæmia..
0	10	4	95	1	8	6	6	10	26	6	78	67	771	612	Accidents and diseases not classified.....	
24	25	16	223	11	23	27	23	26	46	9	117	118	1534	1366	.... TOTAL

a Typhus.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ GEORGE CLEMENTS,

n the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	1	..	..	1	..	1	..	2	5	..
Measles .....	..	2	2	1	..	3	..	1	1	..	..	10	16
Whooping-cough .....	..	1	1	1	..	1	..	..	..	1	1	6	6
Scarlatina .....	..	..	1	..	..	..	..	1	..	..	..	2	9
Diarrhoea	1	1	a5	3	a1	a1	c3	2	e1	f3	a1	22	29
Fever	16	10	12	7	4	15	1	3	5	22	6	101	101
Diseases of the Lungs	9	12	16	b14	11	b7	16	d11	8	20	4	128	202
Other causes													
TOTAL NO. OF DEATHS.	26	26	37	27	16	27	21	18	16	46	14	274	363
TOTAL NO. OF BIRTHS.	42	34	31	19	25	30	64	37	34	97	19	432	308

a Typhus. b 3 Inquests. c 1 Typhus, 1 Typhoid, and 1 Gastric. d 2 Inquests. e Gastric.
f 1 Typhus and 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL.	DISEASE.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL
53	74	77	204	..... Small-pox	17	9	..	26
9	..	1	10	..... Chicken-pox	2	2	17	21
51	12	18	81	..... Measles	74	53	45	172
47	30	21	98	..... Scarlatina	31	22	36	89
1	..	6	7	..... Diphtheria	3	..	..	3
65	87	82	234	.... Whooping-cough	10	23	23	56
1	1	4	6	..... Croup	4	6	3	13
202	145	174	521	..... Diarrhoea	189	145	131	465
3	3	4	10	..... Dysentery	13	9	16	38
..	..	..	..	..... Cholera .....	..	..	..	..
13	22	10	45	..... Erysipelas	29	26	28	83
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
15	10	9	34	..... Insanity	33	29	5	107
1119	1112	1121	3352	.. Bronchitis and Catarrh..	1220	1544	1157	3921
9	17	15	41	..... Pleurisy	102	101	125	328
33	21	17	71	..... Pneumonia				
..	3	5	8	..... Carbuncle .....	..	..	..	..
3656	3107	4004	10767	{ Accidents, and all other Diseases. }	5309	4546	4707	14562
5277	4644	5568	15489	..... TOTAL	7036	6515	6333	19884

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOUR H

FALL OF RAIN IN FEBRUARY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BAKER, Es.
Inches.	Wet Days.								
Royton	4.283	18							
Castleton Moor	4.221	16							
Old Trafford ..	2.930	12							
Eccles	2.590	18							
Wilmslow	2.355	17							
Penketh	2.046	15							
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.424	29.433	29.426	29.426	29.460	29.421	
Highest			29.670	29.700	29.641	29.556	29.204	29.770	
Lowest			28.950	28.931	28.943	28.846	28.480	29.011	
Range			0.720	0.769	0.698	0.710	0.724	0.759	
Temperature.									
Adopted Mean			45.1	44.9	44.9	44.0	42.7	45.5	
Range for Week			20.1	27.5	27.9	23.3	25.0	33.1	
Daily Range			10.5	13.3	12.1	11.3	11.8	15.1	
Maximum in Shade			55.7	58.5	59.5	56.6	56.0	62.4	
Minimum in Shade			35.6	31.0	31.6	33.3	31.0	29.3	
Temperature of Dew Point			42.0	40.8	40.0	39.4	40.4	39.0	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.890	GRS. 0.857	GRS. 0.834	GRS. 0.836	GRS. 0.916	GRS. 0.770	
Prevailing Winds .....			.....	S, S E	SW, SE	S	S	S, W	
Rain .....			.....	0.722	0.638	0.823	1.165	0.575	
Ozonometer.									
Moffat .....			....	2.14	7.14	....	5.60	7.90	
Schonbein .....			....	1.86	....	7.57	....	....

March 30, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, APRIL 6, 1867.

No. 349.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease and death returns for the past week may be looked upon as favourable. The number of new cases of sickness and injuries occasioned by accidents observed in the course of public practice in Manchester and Salford amounted to 1577. Among these patients there were 45 deaths—1 death to every 35 cases. This proportion of deaths to cases is considerably below the average, and contrasts very favourably with the high ratio usually recorded during the last few months.

It is satisfactory to observe that the marked improvement under Fever, to which attention was directed in our last return, still continues—the new cases not exceeding 51.

Bronchitis and kindred affections of the chest, though less prevalent than they were a fortnight ago, were still more frequently met with than is usual at this season of the year, the new cases amounting to 300,—in the corresponding week of last year there were 246.

In certain quarters of the town, as for example in the Cathedral District, Scarlet Fever appears to be gaining ground; 13 cases were returned in the course of the week.

No other disease was observed to prevail to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 236 deaths were registered in the eleven districts of the Sanitary Association. In the two preceding weeks the numbers were 295 and 274, and in the corresponding week of last year 323.

Diseases of the Chest proved far less fatal than in the month of March, doubtless owing to the change in the weather.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by about 50.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48·6°; at Old Trafford it was 47·5°; and at Eccles 46·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																	
Area in Statute Acres		Manchester Township 1,645															
Population in 1861		" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.									
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.		
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	
Small-pox .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	1	..	3	2	..	6	1	..	..	..	..	2	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup .....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	1	..	..	1	..	2	2	..	2	..	..	..	3	5	4	..
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Continued Fever	a3	b1	1	b1	..	c4	10	9	d3	..	d1	e1	..	8	..	..	..
Erysipelas	1	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..
Rheumatism	4	..	..	2	..	..	6	9	1	14	1	2	4	1	1	2	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	3	..	1	..	..	1	3	..
Constitutional Syphilis	1	..	..	..	..	..	1	10	..	10	1	..	..	..	..	2	..
Phthisis	2	..	..	2	1	..	5	10	2	16	4	1	1	1	2	1	..
Insanity .....	..	2	..	..	..	1	3	3	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	9	5	3	5	8	35	22	..	45	5	3	6	13	24	2	..
Pleurisy and Pneumonia	1	..	..	1	1	..	3	6	2	4	..	..	1	..	..	..	..
Skin Diseases	1	2	..	..	..	..	3	18	..	11	..	..	..	7	8	4	..
Dyspepsia	1	..	..	1	..	..	2	16	..	15	1	1	..	2	9	2	..
Atrophy and Anæmia .....	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..
Accidents and diseases not classified	41	9	19	7	5	8	89	44	43	213	4	2	1	59	9	..	..
TOTAL	60	26	25	20	15	23	169	153	51	333	18	11	15	94	59	20	..

a 2 Removed to Workhouse.

b Removed to Workhouse.

c 1 Typhus and 3 Febricula, Typhus case removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. J. WESTMORELAND,
(8) Dr. GEORGE REEF,

(9) Mr. W. J. TATTERSALL,
(10) „ W. H. SUTCLIFFE,
(11) „ C. J. CULLINGWORTH,
(12)

(13) Mr. H. RUNCORN,
(14) Dr. WHITEHEAD,
(15) „ J. OGDEN FLE
(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 6th day of April, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					DEATHS.
1,329					477			646		508		2650			Area in Statute Acres.		
70,967					68,209			44,850		21739		24,448			Population in 1861.		
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's											
17	18	19	20	21	22	23	24	25	26	27	28						
..	..	..	..	..	..	..	..	..	..	..	..	1	3	Small-pox .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..	
..	..	5	..	..	..	..	..	1	..	..	..	6	4	Measles .....	..	
..	1	2	..	..	..	..	..	..	..	1	..	13	9	Scarlatina .....	..	
..	..	..	..	..	1	..	..	..	..	..	..	1	..	Diphtheria .....	..	
..	..	2	..	..	..	..	..	..	..	..	..	2	13	Whooping-cough ....	..	
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	1	
..	..	3	3	..	2	1	..	1	..	2	5	35	29	Diarrhoea .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	1	2	Dysentery .....	..	
..	2	8	..	..	2	1	..	2	..	3	4	51	56	Continued Fever	1	
..	1	3	..	..	..	..	..	..	..	..	..	7	3	Erysipelas	1	
6	..	13	..	1	2	3	2	..	1	1	9	78	73	Rheumatism .....	..	
1	..	4	..	..	..	..	..	..	..	..	..	13	30	Neuralgic Affections ..	..	
..	..	5	1	..	..	..	..	..	..	..	6	36	41	Constitutional Syphilis	..	
..	..	9	..	3	2	..	2	1	..	7	6	73	57	Phthisis	13		
..	1	..	..	..	..	..	1	..	..	..	..	8	2	Insanity .....	..	
10	4	35	2	4	6	6	7	11	2	6	25	278	237	Bronchitis, Influenza, and Catarrh.....	9		
1	..	2	..	2	..	..	..	..	..	..	..	22	9	Pleurisy & Pneumonia.	2	
1	4	21	..	..	..	..	1	7	..	2	14	101	71	Skin Disease.....	..	
3	..	15	..	1	1	..	5	..	..	4	6	84	86	Dyspepsia .....	..	
..	..	1	..	..	..	..	1	1	..	..	..	5	1	Atrophy and Anæmia..	..	
16	7	85	2	11	6	2	9	26	4	71	52	761	637	Accidents and diseases not classified.....	18		
37	20	213	8	22	22	13	28	50	7	95	126	1577	1363	.... TOTAL	45	

d Typhus.

e Typhus removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK.
(28) „ GEORGE CLEMENTS,

the reports of the Association, and has as far as practicable, been taken into account in the conclusion

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	3	..	1	1	..	6	3
Whooping-cough .....	..	..	..	..	..	2	2	..	..	1	1	6	31
Scarlatina	1	..	1	1	..	..	..	..	..	..	..	3	3
Diarrhoea	1	..	..	1	..	..	1	..	..	..	1	4	4
Fever .....	..	2	2	..	b1	e1	b1	1	..	2	..	10	29
Diseases of the Lungs	12	9	8	3	4	12	3	4	9	8	8	80	97
Other causes	19	8	20	a5	15	7	d17	7	e12	f13	g4	127	156
TOTAL NO. OF DEATHS.	34	19	31	10	20	22	27	12	22	25	14	236	323
TOTAL NO. OF BIRTHS.	62	46	16	19	20	36	18	17	36	62	24	356	363

a 2 Inquests. b Typhus. c Typhoid. d 1 Inquest. e 4 Inquests. f 6 Inquests. g 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL.	DISEASE.	5 Weeks ending 29th Dec.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	TOTAL
53	74	77	204	..... Small-pox	17	9	..	26
9	..	1	10	..... Chicken-pox	2	2	17	21
51	12	18	81	..... Measles	74	53	45	172
47	30	21	98	..... Scarlatina	31	22	36	89
1	..	6	7	..... Diphtheria	3	..	..	3
65	87	82	234	.... Whooping-cough	10	23	23	56
1	1	4	6	..... Croup	4	6	3	13
202	145	174	521	..... Diarrhoea	189	145	131	465
3	3	4	10	..... Dysentery	13	9	16	38
..	..	..	..	..... Cholera .....	..	..	..	..
13	22	10	45	..... Erysipelas	29	26	28	83
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
15	10	9	34	..... Insanity	33	29	5	107
1119	1112	1121	3352	.. Bronchitis and Catarrh..	1220	1544	1157	3921
9	17	15	41	..... Pleurisy	102	101	125	328
33	21	17	71	..... Pneumonia .....	..	..	..	..
..	3	5	8	..... Carbuncle .....	..	..	..	..
3656	3107	4004	10767	{ Accidents, and all other Diseases. }	5309	4546	4707	14562
5277	4644	5568	15489	..... TOTAL	7036	6515	6333	19884

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.									
Royton	2.235	.....	12							
Penketh	1.674	.....	16							
Eccles	1.573	.....	19							
Old Trafford ..	1.446	.....	14							
Wilmslow .....	..	.....	..				
Castleton Moor	..	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level					30.096	30.104		30.080	30.105	
Highest					30.284	30.273		29.770	30.380	
Lowest					29.724	29.703		29.198	29.806	
Range					0.560	0.570		0.572	0.574	
Temperature.										
Adopted Mean					47.5	46.6		44.4	47.8	
Range for Week					26.6	23.0		23.5	25.7	
Daily Range					14.4	10.6		11.6	11.2	
Maximum in Shade					59.6	56.5		55.0	59.7	
Minimum in Shade					33.0	33.5		31.5	34.0	
Temperature of Dew Point					42.1	40.6		40.5	44.6	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)					GRS. 0.823	GRS. 0.810		GRS. 0.867	GRS. 0.886	
Prevailing Winds					SW	NW		SW	NW	
Rain					0.223	0.248		0.325	0.138	
Ozonometer.										
Moffat					0.43	6.00		....	....
Schonbein					0.28	....		5.60	6.60	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, APRIL 13, 1867. No. 350.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The last disease return may be looked upon as satisfactory. In the week terminating on Saturday, 13th instant, 1438 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. Among these patients there were 61 deaths—or 1 death to every 25 cases.

The improvement under Continued Fever, to which reference was made in our two last returns, is still maintained. In the course of the week the seizures under this column did not exceed 57.

Bronchitis and kindred affections of the chest, proved far less general than in the month of March and in the early part of April. In the last week in March the new cases of these affections amounted to 303, and in the following week to 300; in the present return they do not exceed 214.

Although the number of cases of Consumption seen in public practice did not exceed 56 the deaths were very numerous, amounting to 15. It has been frequently observed that the early weeks of spring prove peculiarly trying to consumptive patients.

The Zymotic diseases generally appear at the present time to be unusually mild.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 249 deaths were registered in the eleven districts of the Sanitary Association, 13 more than in the preceding return. Eighty-eight of these deaths were due to Diseases of the Lungs and 14 to Fever.

In London, according to the last return of the Registrar General, the deaths were less by 109 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.7° ; at Old Trafford also it was 46.7° ; at Eccles 46.0° ; and at the Infirmary 45.2° . At several of the stations, more especially at Penketh, Royton, and Wilmslow, large quantities of ozone were registered.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
								ROYAL INFIRMARY.						CHILDREN		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	1	..	1	..	2	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	1	1	1	1	..	..	1	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	1	..	..	..	2	3	..	..	..	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	..	..	..	..	1	3	..	..	5	..	1	1	6	3	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	..	3	..	1	a6	10	9	e1	..	..	e1	e2	5	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Rheumatism	1	2	..	1	..	..	4	13	1	15	1	..	..	..	5	..
Neuralgic Affections .....	..	..	..	..	..	..	..	1	..	5	..	..	..	..	..	..
Constitutional Syphilis .....	..	..	1	..	..	..	1	5	1	10	..	..	..	..	..	..
Phthisis	2	1	..	1	..	..	4	..	..	18	2	1	..	..	..	..
Insanity .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	1	3	1	2	6	15	11	..	37	2	4	1	9	15	..
Pleurisy and Pneumonia....	1	..	1	..	..	..	2	3	..	5	..	1	..	..	1	..
Skin Diseases.....	2	..	..	..	..	..	2	12	..	16	..	..	..	3	13	..
Dyspepsia .....	..	1	..	..	..	..	1	13	..	16	1	..	..	4	6	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	28	11	19	13	3	5	79	65	37	212	2	9	20	49	5	..
TOTAL	38	17	28	16	7	21	127	135	42	339	9	18	25	76	48	19

a 4 Typhus and 2 Febricula. b 1 Typhus, removed to Workhouse. c 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FL
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 13th day of April, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
..... 1,329 .....					..... 477 .....			.. 646 ..		508.		..... 2650 .....			..... 24,448	
..... 70,967. ....					.. 68,209. ..			.. 44,850 ..		21739						
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.	
Greenacre.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
6	17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	2	7	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	..	4	..	..	..	1	..	1	..	..	..	8	2	Measles .....	..
1	..	1	3	..	..	..	..	..	..	..	..	..	10	8	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	2	..	..	..	..	..	..	..	..	..	5	20	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
1	1	..	3	3	..	..	..	..	..	..	1	4	37	29	Diarrhoea	1
..	1	..	..	..	..	..	1	..	..	..	..	..	2	..	Dysentery .....	..
..	4	2	6	..	2	2	2	..	2	..	3	5	56	64	Continued Fever	5	
..	..	..	..	..	1	..	..	..	..	..	..	2	5	1	Erysipelas .....	..
1	3	..	14	..	..	..	..	3	1	1	8	7	80	63	Rheumatism .....	..
..	..	..	2	..	..	..	1	..	..	..	1	..	10	27	Neuralgic Affections ..	1
1	..	..	4	..	..	..	..	..	..	..	2	3	29	24	Constitutional Syphilis	..
2	4	..	7	..	..	..	1	1	..	..	12	4	56	70	Phthisis	15
1	..	3	..	..	..	1	..	..	..	..	..	..	5	7	Insanity .....	..
5	6	1	27	1	3	9	6	3	8	2	10	15	194	235	Bronchitis, Influenza, and Catarrh.....	9	
1	1	1	2	..	..	..	..	..	..	..	2	1	20	16	Pleurisy & Pneumonia.	1
1	..	1	18	..	1	2	..	2	2	..	2	9	87	87	Skin Disease.....	..	
..	3	..	11	..	..	1	..	3	2	..	7	4	74	107	Dyspepsia .....	..
1	..	..	2	..	..	..	..	2	..	..	2	..	7	3	Atrophy and Anæmia..	..
9	6	9	98	1	3	4	1	7	31	3	60	41	751	669	Accidents and diseases not classified.....	27	
4	29	18	203	5	10	19	13	21	47	6	110	95	1438	1441	.... TOTAL	61

d 3 Typhus.

e Typhus.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ „
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	1	1	..	..	..	1	3	5
Measles .....	..	..	..	..	1	1	1	1	1	1	..	5	16
Whooping-cough	2	..	1	1	..	1	1	..	1	..	..	6	6
Scarlatina	1	2	..	1	..	1	..	..	1	2	..	8	14
Diarrhoea	1	..	6	2	1	..	1	..	1	2	..	14	10
Fever	19	8	9	8	5	10	2	2	7	13	5	88	104
Diseases of the Lungs	9	6	16	13	3	7	18	9	11	17	6	125	168
Other causes	32	26	32	25	10	20	24	12	21	35	12	249	323
TOTAL NO. OF DEATHS.	43	36	24	31	23	32	34	16	36	70	21	366	385
TOTAL NO. OF BIRTHS.													

a 7 Inquests. b 2 Inquests. c 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	TOTAL.	DISEASE.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	TOTAL
74	77	39	190	.....Small-pox.....	9	..	3	12
..	1	1	2	..... Chicken-pox	2	17	11	30
12	18	46	76	..... Measles	53	45	65	163
30	21	9	60	.....Scarlatina.....	22	36	37	95
..	6	2	8	..... Diphtheria .....	..	..	1	1
87	82	100	269	.... Whooping-cough	23	23	25	71
1	4	1	6	.....Croup.....	6	3	5	14
145	174	195	514	.....Diarrhoea.....	145	131	172	448
3	4	7	14	.....Dysentery.....	9	16	14	39
..	..	..	..	..... Cholera .....	..	..	..	..
22	10	20	52	.....Erysipelas.....	26	28	33	87
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
10	9	7	26	..... Insanity	29	43	28	102
1112	1121	1260	3493	..Bronchitis and Catarrh..	1544	1157	1382	4083
17	15	20	52	..... Pleurisy	101	125	112	338
21	17	28	66	..... Pneumonia				
3	5	1	9	..... Carbuncle .....	..	..	..	..
3107	4004	4285	11396	{ Accidents, and all other Diseases. }	4546	4707	5822	15075
4644	5568	6021	16233	..... TOTAL	6515	6333	7710	20558

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	2.235	12							
Penketh	1.674	16							
Eccles	1.573	19							
Old Trafford ..	1.446	14							
Wilmslow	1.430	15							
Castleton Moor ..	..	..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.700	29.691	29.697	29.700	29.680	29.691	
Highest		Unreduced {	30.054	30.082	30.065	29.976	29.604	30.176	
Lowest			29.126	29.144	29.191	29.096	28.674	29.274	
Range			0.928	0.938	0.874	0.880	0.930	0.902	
Temperature.									
Adopted Mean			45.2	46.7	46.0	45.2	44.1	47.0	
Range for Week			19.7	24.5	21.6	21.7	25.3	25.5	
Daily Range			11.9	14.1	12.7	10.9	11.9	13.8	
Maximum in Shade			54.3	57.0	55.6	55.8	56.0	57.2	
Minimum in Shade			34.6	32.5	34.0	34.1	30.7	31.7	
Temperature of Dew Point			42.6	41.0	39.0	38.9	40.8	38.5	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.904	GRS. 0.811	GRS. 0.778	GRS. 0.784	GRS. 0.889	GRS. 0.721	
Prevailing Winds .....			.....	SW,S	NW,SW	SW	SW	SW,W	
Rain .....			.....	1.381	1.203	1.032	1.995	0.908	
Ozonometer.									
Moffat .....			....	2.51	6.85	....	....	....
Schonbein .....			....	2.14	....	6.00	6.20	7.20	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, APRIL 20, 1867.

No. 351.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue satisfactory. In the week ending on Saturday, the 20th instant, 1344 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths at the same time among patients of the pauper and hospital class did not exceed 45,—1 death to every 30 cases. The ratio between death and disease, represented by these figures, is considerably below the average for the present season of the year.

It is satisfactory to find that the seizures from Continued Fever are far less numerous than during the Winter months. The new cases did not exceed 61,—of these, 20 are ascribed to true Typhus. At the present time Fever appears to be most prevalent in Salford, 10 cases being admitted into the Borough Workhouse, while 9 are returned by Dr. Johnson in the Regent Road District.

Under Bronchitis and kindred affections of the chest, 213 new cases were recorded. These diseases likewise appear very general in Salford, no fewer than 31 being observed at the Salford Hospital.

Two of the Exanthematous Fevers, Measles and Scarlet Fever, appear to be gaining ground,—the new cases of Measles rising from 6 and 8 in the two preceding weeks, to 18, and those of Scarlet Fever from 10 to 15.

Of 31 cases of Constitutional Syphilis, 2 are said to have ended fatally.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 190 deaths were registered in the eleven districts of the Sanitary Association. In the corresponding week of last year there were 296. The returns altogether may be looked upon as singularly favourable.

The deaths from diseases of the chest did not exceed 61,—in the two previous weeks they were 80 and 88. In London likewise the death rate was low.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 50·9°; at Old Trafford it was 50·5°; and at the Royal Infirmary 48·7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres								Manchester Township 1,645								
Population in 1861								" " 185,050								
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Scarlatina .....	..	..	..	..	3	..	3	1	1	..	..	2	5	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	1	1	..	..	2	..	..	1	..	..	..	2	3	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	a1	..	b1	a1	c2	5	4	d3	..	b1	2	e4	5	..	..
Erysipelas .....	..	..	..	1	..	..	1	2	..	..	..	..	..	..	..	..
Rheumatism .....	..	..	..	..	1	..	1	16	2	12	..	..	1	1	5	..
Neuralgic Affections .....	..	..	..	..	..	..	..	2	..	3	..	..	..	..	1	..
Constitutional Syphilis .....	..	..	..	..	..	2	2	7	..	10	..	..	3	..	1	..
Phthisis .....	..	..	..	..	..	..	..	8	..	16	2	1	..	1	2	..
Insanity	2	1	..	..	..	..	3	5	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	4	..	..	1	3	9	20	..	25	..	8	2	11	13	..
Pleurisy and Pneumonia.....	1	..	..	..	..	..	1	2	..	2	..	1	1	..	..	..
Skin Diseases.....	..	..	..	..	..	..	..	15	..	11	..	..	..	..	19	..
Dyspepsia .....	..	..	1	1	1	..	3	12	..	11	..	..	1	1	9	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..
Accidents and diseases not classified.....	16	6	9	10	1	9	51	48	41	164	1	7	9	34	12	..
TOTAL	20	12	11	14	8	16	81	142	47	256	5	21	26	55	70	20

a Removed to Workhouse. b Febricula. c Typhus, 1 removed to Workhouse. d Typhus

Medical Officers to whom the Association are indebted for their services

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORNE,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FRANKS,
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

SANITARY ASSOCIATION.

CTIONS OF MANCHESTER AND ADJOINING DISTRICTS.
Week ending the 20th day of April, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.
..... 1,329 .....					..... 477 .....			.. 646 ..		508.	..... 2650			Area in Statute Acres.		
..... 70,967. ....					.. 68,209. ..			.. 44,850 ..		21739	..... 24,448			Population in 1861.		
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
6	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Chicken-pox .....	..
..	1	..	5	..	..	..	7	3	..	1	..	..	18	7	Measles .....	..
..	..	..	3	..	..	..	..	..	..	..	..	..	15	11	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	..	2	..	..	..	..	..	1	..	..	..	4	13	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	1	..	..	2	1	..	1	..	1	..	2	3	21	36	Diarrhoea	1
2	1	..	..	..	..	..	..	..	..	..	..	..	3	1	Dysentery .....	..
2	9	10	4	..	..	2	3	1	1	..	4	1	61	96	Continued Fever	4
1	..	..	1	..	..	..	..	1	..	..	1	1	8	4	Erysipelas .....	..
3	..	..	11	..	2	..	1	1	..	..	5	5	69	69	Rheumatism .....	..
..	1	..	..	..	..	..	..	..	..	..	3	..	10	15	Neuralgic Affections ..	..
..	..	..	3	..	..	..	..	..	..	..	..	3	31	41	Constitutional Syphilis	2
1	1	1	8	..	1	..	1	2	1	1	10	6	64	66	Phthisis	10
1	1	2	..	..	..	..	..	1	..	..	..	..	13	7	Insanity .....	..
7	7	3	31	1	3	5	6	3	12	2	18	12	202	185	Bronchitis, Influenza, and Catarrh	6
..	1	..	..	1	..	..	..	..	..	..	1	..	11	17	Pleurisy & Pneumonia.	1
..	..	..	24	2	..	..	..	2	2	..	4	15	97	66	Skin Disease .....	..
..	1	..	13	..	..	2	1	5	1	..	7	3	72	94	Dyspepsia .....	..
..	..	..	4	..	..	..	..	1	1	..	2	1	14	1	Atrophy and Anæmia ..	1
6	8	8	106	2	6	4	2	10	19	4	50	37	630	667	Accidents and diseases not classified	19
3	32	24	215	8	13	13	22	30	39	8	107	87	1344	1405	.... TOTAL	45

e Typhus, 2 removed to Workhouse, and 2 to Infirmary. f 8 Typhus.

indebted for the annexed Returns.

- | | | |
|-------------------------|----------------------------|-----------------------------|
| (17) Dr. T. M. JOHNSON, | (21) Mr. S. WOODCOCK, | (25) Mr. J. T. CALDWELL, |
| (18) .. | (22) Dr. ALEX. WILSON, | (26) „ J. V. L. WESTMACOTT, |
| (19) „ J. O. BRADBURY, | (23) Mr. H. M. WILLIAMSON. | (27) „ JOHN A. EATOCK, |
| (20) Dr. BRADDON, | (24) „ JOSEPH FOSTER, | (28) „ GEORGE CLEMENTS. |

the reports of the Association, and has as far as practicable, been taken into account in the conclusion drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	2	..	..	..	..	2	..	d1	..	..	1	..
Measles	1	..	..	..	..	1	1	1	..	1	3	11	2
Whooping-cough .....	..	1	..	..	..	4	1	..	1	..	1	7	20
Searlatina	4	..	..	1	..	1	..	..	..	..	..	7	4
Diarrhoea .....	..	..	..	..	1	..	1	..	..	..	1	3	4
Fever	1	..	a2	3	..	a1	..	..	1	..	..	8	20
Diseases of the Lungs	6	9	6	7	4	13	2	1	4	8	1	61	105
Other causes	12	13	7	5	4	b5	c11	5	4	19	7	92	141
TOTAL NO. OF DEATHS.	24	25	15	16	9	25	17	7	11	28	13	190	296
TOTAL NO. OF BIRTHS.	39	38	4	10	14	23	13	24	28	44	15	252	342

a Typhus. b 2 Inquests. c 1 Inquest. d Not vaccinated.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	TOTAL.	DISEASE.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	TOTAL
74	77	39	190	..... Small-pox	9	..	3	12
..	1	1	2	..... Chicken-pox	3	17	11	30
12	18	46	76	..... Measles	53	45	65	163
30	21	9	60	..... Searlatina	22	36	37	95
..	6	2	8	..... Diphtheria .....	..	..	1	1
87	82	100	269	.... Whooping-cough	23	23	25	71
1	4	1	6	..... Croup	6	3	5	14
145	174	195	514	..... Diarrhoea	145	131	172	448
3	4	7	14	..... Dysentery	9	16	14	39
..	..	..	..	..... Cholera .....	..	..	..	..
22	10	20	52	..... Erysipelas	26	28	33	87
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
10	9	7	26	..... Insanity	29	45	28	102
1112	1121	1260	3493	.. Bronchitis and Catarrh..	1544	1157	1382	4083
17	15	20	52	..... Pleurisy	101	125	112	338
21	17	28	66	..... Pneumonia .....	..	..	..	..
3	5	1	9	..... Carbuncle .....	..	..	..	..
3107	4004	4285	11396	{ Accidents, and all other Diseases. }	4546	4707	5822	15075
4644	5568	6021	16233	..... TOTAL	6515	6333	7710	20558

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.									
Inches.	Wet Days.		Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Royton	2.235	12							
Penketh	1.674	16							
Eccles	1.573	19							
Old Trafford ..	1.446	14							
Wilmslow	1.430	15							
Castleton Moor	..	..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.490	29.499	29.494	29.496	29.488	29.482	
Highest			29.898	29.882	29.843	29.744	29.420	29.932	
Lowest			28.926	28.953	28.904	28.796	28.450	29.016	
Range			0.972	0.879	0.939	0.948	0.970	0.916	
Temperature.									
Adopted Mean			48.7	50.5	48.7	48.4	47.7	50.1	
Range for Week			15.9	20.6	18.3	17.2	18.3	20.6	
Daily Range			8.6	11.2	9.2	9.9	11.9	10.6	
Maximum in Shade			59.3	63.0	60.2	59.1	58.3	62.3	
Minimum in Shade			43.4	43.0	41.9	41.3	40.0	42.2	
Temperature of Dew Point			45.8	46.2	41.6	42.7	44.2	42.9	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.876	GRS. 0.858	GRS. 0.766	GRS. 0.797	GRS. 0.876	GRS. 0.762	
Prevailing Winds .....			.....	SW,S	NW,SW	SW,S	SW	SW,NW	
Rain .....			.....	1.484	1.612	0.930	1.320	1.136	
Ozonometer.									
Moffat .....			....	2.57	6.00	....	5.10	6.70	
Schonbein .....			....	2.28	....	6.14	....	....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, APRIL 27, 1867.

No. 352

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 27th ultimo, 1461 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1438 and 1344. At the same time the deaths among patients of the pauper and hospital class amounted to 54, or 1 death in every 27 cases.

The most unfavourable feature in the present return is the increase under Continued Fever, 78 new cases being recorded during the week. In the two previous weeks the respective numbers were 56 and 61. Of the 78 cases 31 are specially referred to as examples of true Typhus.

Bronchitis and kindred affections of the chest proved somewhat more prevalent than in several of our previous returns.

With the rise in the temperature which has been observed of late Diarrhœa appears to be gaining ground, the new cases increasing from 24 to 49.

In certain quarters of the town Measles seems pretty general, 4 cases being reported in the St. George's District, Manchester, and 3 more in St. Philip's, Hulme.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 252 deaths were registered in the eleven districts of the Sanitary Association. In the previous week the number did not exceed 190. Ten deaths were ascribed to Fever, 8 to Whooping-cough and 9 to Measles.

In London, according to the last return of the Registrar General, the deaths were less by 124 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48·7°; at Old Trafford it was 48·3°; at the Royal Infirmary 46·4°; and at Wilmslow 46·1°

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	4	..	..	..	4	..	..	..	..	..	1	..	1	..
Scarlatina	3	..	..	..	..	..	3	1	..	..	..	..	1	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	1	..	..	1	..	3	3	..	11	..	..	..	4	5	4
Dysentery .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Continued Fever.....	1	..	a2	2	2	b4	11	14	c2	..	..	c1	c2	4	..	..
Erysipelas .....	..	..	..	..	..	..	..	3	..	5	..	..	1	..	..	..
Rheumatism .....	..	2	1	..	2	..	5	14	1	17	1	2	3	..	9	2
Neuralgic Affections.....	..	..	..	..	..	..	..	2	1	5	..	..	..	..	3	2
Constitutional Syphilis	1	..	..	..	..	..	1	5	..	11	..	..	..	..	2	3
Phthisis .....	..	1	1	..	..	..	2	10	..	..	2	1	1	1	..	2
Insanity .....	..	1	..	..	..	1	2	5	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	4	2	1	5	6	22	13	2	31	6	2	5	12	12	4
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	4	1	5	..	1	..	..	..	..
Skin Diseases.....	3	..	..	..	..	..	3	9	..	14	..	..	..	2	7	3
Dyspepsia .....	..	..	..	..	1	..	1	17	..	15	..	..	..	4	11	2
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	9	..	..	..	..	8	..
Accidents and diseases not classified.....	9	7	12	11	4	8	51	15	32	204	4	3	1	43	11	1
TOTAL	23	16	23	14	15	19	110	115	39	327	13	10	15	71	69	23

a 1 Typhus. b Febricula. c Typhus. d Typhus, removed to Workhouse.

Medical Officers to whom the Association											
(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN								
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD								
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FLEMING								
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,								

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 27th day of April, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					DEATHS.
... 1,329 .....				... 477 .....			... 646 ...		508.		... 2650			Area in Statute Acres.	
... 70,967. ....				... 68,209. ...			... 44,850..		21739		... 24,448			Population in 1861.	
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	..	4	..	..	..	3	3	..	1	..	..	17	6	Measles .....	..
..	..	3	..	..	..	..	..	..	..	..	2	11	11	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	..	..	1	..	..	..	3	25	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
..	..	2	1	..	2	2	..	2	..	1	6	47	35	Diarrhoea .....	..
1	..	..	..	..	..	..	..	..	..	..	..	2	..	Dysentery .....	..
4	3	7	..	..	1	9	d1	d1	..	5	11	78	71	Continued Fever	5
..	..	1	..	1	..	..	..	..	..	1	..	12	5	Erysipelas .....	..
..	2	14	1	1	2	2	2	6	..	7	4	97	77	Rheumatism .....	..
..	..	4	..	..	..	..	..	..	..	4	1	22	12	Neuralgic Affections ..	..
..	..	5	..	..	..	..	1	..	..	2	2	32	35	Constitutional Syphilis	..
2	2	10	..	1	..	1	2	3	..	10	5	56	58	Phthisis	9	
..	..	..	..	..	..	..	1	..	..	..	..	9	8	Insanity .....	..
8	..	29	3	12	3	4	5	7	2	12	13	212	218	Bronchitis, Influenza, and Catarrh.....	8	
..	..	2	..	..	..	..	..	..	..	2	3	19	17	Pleurisy & Pneumonia.	2
..	3	21	..	1	1	..	1	1	..	4	8	78	91	Skin Disease.....	..	
1	..	17	..	..	2	..	2	3	1	8	2	86	93	Dyspepsia .....	..
..	..	3	..	..	..	..	1	1	..	4	..	26	3	Atrophy and Anæmia..	3
10	7	111	1	11	..	7	7	27	3	56	46	654	684	Accidents and diseases not classified.....	26	
26	17	235	6	27	11	28	26	52	7	116	103	1461	1451	.... TOTAL	54

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ J. O. BRADBURY,
(20) Dr. BRADDEN,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusion from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowler.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	5	..	..	1	1	9	3
Whooping-cough.....	2	2	1	..	..	1	..	..	1	1	..	8	14
Scarlatina	2	..	1	..	1	..	..	..	..	..	1	5	6
Diarrhoea	1	1	..	..	..	..	1	..	1	1	..	5	8
Fever .....	..	1	3	..	..	1	c2	..	..	d3	..	10	20
Diseases of the Lungs	12	6	8	4	4	6	..	1	6	14	4	65	85
Other causes.....	a23	10	26	b8	f15	b7	12	6	9	27	e7	150	153
TOTAL NO. OF DEATHS.	40	20	39	12	20	17	20	7	17	47	13	252	289
TOTAL NO. OF BIRTHS.	50	39	16	17	18	35	49	21	41	63	33	332	340

a 6 Inquests. b 1 Inquest. c Typhus. d 1 Typhus, 1 Typhoid, and 1 Gastric. e 3 Inquests.
f 5 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	TOTAL.	DISEASE.	4 Weeks ending 26th Jan.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	TOTAL
74	77	39	190	.....Small-pox.....	9	..	3	12
..	1	1	2	.....Chicken-pox.....	3	17	11	30
12	18	46	76	.....Measles.....	53	45	65	163
30	21	9	60	.....Scarlatina.....	22	36	37	95
..	6	2	8	.....Diphtheria.....	..	..	1	1
87	82	100	269	....Whooping-cough....	23	23	25	71
1	4	1	6	.....Croup.....	6	3	5	14
145	174	195	514	.....Diarrhoea.....	145	131	172	448
3	4	7	14	.....Dysentery.....	9	16	14	39
..	..	..	..	.....Cholera.....	..	..	..	..
22	10	20	52	.....Erysipelas.....	26	23	33	87
..	..	..	..	....Puerperal Fever....	..	..	..	..
10	9	7	26	.....Insanity.....	29	45	28	102
1112	1121	1260	3493	..Bronchitis and Catarrh..	1544	1157	1382	4083
17	15	20	52	.....Pleurisy.....	101	125	112	338
21	17	28	66	.....Pneumonia.....				
3	5	1	9	.....Carbuncle.....	..	..	..	..
3107	4004	4285	11396	{ Accidents, and all other Diseases. }	4546	4707	5822	15075
4644	5568	6021	16233	.....TOTAL.....	6515	6333	7710	20558

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.								
	Inches.	Wet Days.						
Royton	2.235	..... 12	Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Penketh	1.674	..... 16						
Eccles	1.573	..... 19						
Old Trafford ..	1.446	..... 14						
Wilmslow	1.430	..... 15						
Castleton Moor	..	..... ..				
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.615	29.613	29.617	29.607	29.620	29.607
Highest.....			29.798	29.786	29.795	29.690	29.340	29.888
Lowest			29.158	29.106	29.143	29.018	28.650	29.250
Range			0.640	0.680	0.652	0.672	0.690	0.638
Temperature.								
Adopted Mean			46.4	48.3	46.0	46.1	45.7	47.6
Range for Week			21.5	25.6	24.4	29.4	24.0	24.1
Daily Range.....			9.0	15.0	11.3	12.1	10.9	12.2
Maximum in Shade			61.8	64.6	62.4	61.4	62.0	62.7
Minimum in Shade			40.3	39.0	33.0	32.0	33.0	33.6
Temperature of Dew Point			41.2	42.0	40.2	39.5	41.8	41.0
Hygrometrical condition of the Atmosphere.								
Degree of Humidity (Saturation—1,000)			GRS. 0.817	GRS. 0.793	GRS. 0.811	GRS. 0.775	GRS. 0.894	GRS. 0.779
Prevailing Winds .....			.....	SE, NE	W, S W, SE	NW, SE	SE	NW, SE
Rain .....			.....	0.940	1.043	0.904	1.435	0.726
Ozonometer.								
Moffat .....			....	1.00	4.43	....	....	....
Schonbein.....			....	0.71	....	7.00	4.10	6.80

April 27, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MAY 4, 1867.

No. 353.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 4th instant, 1519 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1344 and 1461. The deaths among patients of the pauper and hospital class amounted to 49, or 1 death to every 31 cases.

It is satisfactory to observe that the decided increase under Continued Fever, to which attention was directed in our last return, is not maintained in this. Last week 78 new cases were returned, this week only 56.

Measles appears to be rapidly gaining ground, the new cases rising from 17 to 29. In St. Philip's District, Hulme, 9 new cases came under the observation of Mr. Williamson, and in the Chorlton Poor-law District, Mr. Foster attended 6 more.

We have now arrived at that season of the year when diseases of the respiratory organs fluctuates but little. In our two last returns, the numbers amounted respectively to 231 and 230.

Small Pox, after disappearing from the returns during several successive weeks, is again met with in this return. 1 new case being admitted into the fever wards of the Royal Infirmary, while another was observed by Mr. Broadbent, in the St. Andrew's District.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 232 deaths were registered in the eleven districts of the Sanitary Association. In the previous week they were still more numerous, amounting to 252, and in the corresponding week of last year to 241. Fourteen of these deaths are attributed to Fever, and 11 to Measles.

In London, according to the last return of the Registrar General, the deaths were less by 136 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 51.5° ; at Old Trafford it was also 51.5° ; at Wilmslow 51.3° ; and at the Royal Infirmary 50.2° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres																
Population in 1861																
MANCHESTER.																
Manchester Township 1,645																
" " 185,050																
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	..
Scarlatina .....	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	..	..	1	1	..	2	..	..	1	..	..	..	2	7	4
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	1	2	..	5	8	4	..	2	1	a2	b4	3	..	..
Erysipelas .....	..	..	1	..	..	..	1	4	..	..	..	..	..	..	..	..
Rheumatism	1	..	2	1	..	1	5	6	3	16	..	1	2	..	4	2
Neuralgic Affections .....	..	..	1	..	..	..	1	1	..	11	..	..	..	..	2	2
Constitutional Syphilis	1	..	..	..	..	..	1	2	..	10	..	..	..	..	1	1
Phthisis .....	..	1	..	..	..	1	2	7	2	15	..	1	1	..	1	..
Insanity .....	..	1	..	..	..	1	2	7	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	3	1	3	..	6	15	13	..	39	2	3	3	18	17	4
Pleurisy and Pneumonia .....	..	1	1	..	..	..	2	5	..	2	..	..	..	..	1	..
Skin Diseases	2	..	..	..	..	..	2	20	..	8	..	..	..	4	16	3
Dyspepsia .....	..	..	..	2	..	..	2	15	..	22	..	..	..	1	9	2
Atrophy and Anæmia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
Accidents and diseases not classified	12	9	18	13	1	6	59	43	39	213	6	5	8	65	6	..
TOTAL	18	16	25	22	2	20	103	128	45	340	9	13	18	93	69	18

a Typhus. b 1 Typhus and 3 Febricula. c Typhoid, removed to Workhouse.

Medical Officers to whom the Association are indebted for their services during the year 1861.

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ C. J. CULLINGWORTH,	(15) „ J. OGDEN FL.
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 4th day of May, 1867.

SALFORD.				HULME.			CHORLTON.	ARDWICK.	PENDLETON AND PENDLEBURY.						
1,329				477			646 ..	508 ..	2650				Area in Statute Acres.		
70,967.				68,209. ..			44,850..	21739 ..	24,448				Population in 1861.		
PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	2	3	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
3	..	3	..	..	..	9	6	5	..	..	..	29	6	Measles	1
..	..	2	..	..	..	..	..	..	..	1	..	5	7	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	3	..	..	..	..	..	..	..	..	..	3	18	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
..	..	4	2	..	..	..	..	1	..	5	7	36	29	Diarrhœa .....	..
..	1	..	..	..	..	..	1	..	..	..	..	2	2	Dysentery .....	..
1	2	9	..	2	2	1	3	..	2	6	4	56	44	Continued Fever	5
..	..	1	..	..	..	..	..	..	..	..	..	6	1	Erysipelas .....	..
1	..	13	..	2	..	..	3	3	..	8	10	81	59	Rheumatism .....	..
1	..	3	..	..	..	..	..	1	..	4	1	27	21	Neuralgic Affections ..	..
..	..	4	..	..	..	..	1	..	..	3	4	28	36	Constitutional Syphilis	..
..	1	8	..	4	..	..	1	..	..	12	8	63	50	Phthisis	13
..	..	..	..	..	..	..	2	..	..	..	..	11	17	Insanity .....	..
3	1	34	3	3	5	..	4	14	2	10	15	211	209	Bronchitis, Influenza, and Catarrh.....	5
1	..	1	1	..	..	1	1	..	..	1	3	19	9	Pleurisy & Pneumonia.	4
..	4	23	..	1	1	..	..	1	..	3	7	95	69	Skin Disease.....	..
1	..	15	..	2	..	..	1	..	..	10	8	88	70	Dyspepsia .....	..
..	..	2	..	..	..	..	..	..	..	4	..	9	2	Atrophy and Anæmia..	2
10	13	103	3	7	5	1	7	33	5	54	49	748	627	Accidents and diseases not classified.....	19
21	23	228	9	21	13	12	30	58	9	121	116	1519	1279	.... TOTAL	49

a 1 Removed to Workhouse.

ndebted for the annexed Returns.

- (17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,
- (21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,
- (25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRIK,
(28) .. GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusion
yn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	3	3	..	1	1	3	11	..
Measles .....	..	..	..	..	..	2	..	..	..	..	2	4	17
Whooping-cough.....	..	..	1	..	..	1	1	..	..	..	..	4	6
Scarlatina	1	..	..	1	2	1	1	..	1	..	..	6	6
Diarrhœa .....	..	1	5	1	..	2	c2	1	1	..	1	14	17
Fever	10	9	10	6	4	8	6	..	11	15	2	81	65
Diseases of the Lungs	10	9	10	6	4	8	6	..	11	15	2	81	65
Other causes.....	15	a16	15	3	8	b5	d12	7	6	18	7	112	130
TOTAL NO. OF DEATHS.	26	26	31	11	14	22	25	8	20	34	15	232	241
TOTAL NO. OF BIRTHS.	41	52	24	15	30	41	33	30	31	61	19	377	317

a 3 Inquests. b 1 Inquest. c 1 Typhus and 1 Gastric. d 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL.	DISEASE.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL
77	39	20	136	.....Small-pox.....	..	3	3	6
1	1	..	2	..... Chicken-pox	17	11	1	29
18	46	45	109	..... Measles	45	65	49	159
21	9	16	46	.....Scarlatina.....	36	37	49	122
6	2	3	11	..... Diphtheria .....	..	1	1	2
82	100	72	254	.... Whooping-cough	23	25	14	62
4	1	2	7	.....Croup.....	3	5	1	9
174	195	266	635	.....Diarrhœa.....	131	172	140	443
4	7	4	15	.....Dysentery.....	16	14	8	38
..	..	1	1	..... Cholera .....	..	..	..	..
10	20	11	41	.....Erysipelas.....	28	33	32	93
..	..	1	1	.... Puerperal Fever ....	..	..	..	..
9	7	..	16	..... Insanity	45	28	35	108
1121	1260	797	3178	.. Bronchitis and Catarrh..	1157	1382	886	3425
32	48	46	126	Pleurisy and Pneumonia ..	125	112	72	309
5	1	..	6	.....Carbuncle.....	..	..	..	..
4004	4235	4910	13199	{ Accidents, and all other Diseases. }	4707	5822	4529	15058
5568	6021	6194	17783	..... TOTAL	6333	7710	5820	19863

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, REV. J.C. BATES.
	Inches.	Wet Days.								
Royton	5.115	.....	23							
Old Trafford ..	4.323	.....	25							
Wilmslow	3.329	.....	24							
Penketh	3.272	.....	23							
Eccles	4.503	.....	27							
Castleton Moor ..	..	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.900	29.925	29.911	29.920	29.929	29.911	
Highest.....				30.030	30.018	30.011	29.900	29.544	30.106	
Lowest				29.620	29.567	29.575	29.456	29.103	29.650	
Range				0.410	0.451	0.436	0.444	0.441	0.456	
Temperature.										
Adopted Mean				50.2	51.5	50.8	51.3	49.3	52.1	
Range for Week				21.6	37.0	36.5	33.5	35.7	39.1	
Daily Range				11.2	22.5	19.9	15.5	19.2	23.4	
Maximum in Shade				63.6	72.0	70.5	66.2	68.9	69.2	
Minimum in Shade				42.0	35.0	34.0	32.7	33.2	30.1	
Temperature of Dew Point				45.4	45.5	44.4	43.8	44.0	45.0	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS. 0.841	GRS. 0.800	GRS. 0.794	GRS. 0.756	GRS. 0.819	GRS. 0.768	
Prevailing Winds .....				.....	SE,S	W,SW	W	SE	SE,S	
Rain .....				.....	0.295	0.405	0.294	0.320	0.374	
Ozonometer.										
Moffat .....				.....	0.00	2.00	.....	.....	.....
Schonbein.....				.....	0.00	....	4.57	2.00	3.90	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MAY 11, 1867.

No. 354.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 11th instant, 1569 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 63, or 1 death to every 24 cases.

It is satisfactory to observe that, during the last fortnight, there is a decided improvement under Continued Fever; in the last week in April 78 new cases were returned, in the following week 56, and last week 58. The new cases of Typhus did not exceed 12.

In some quarters of the town Small-Pox appears to be gaining ground—6 new cases being admitted into the Manchester Royal Infirmary.

The sudden rise under Measles, which was referred to in several successive returns, is not maintained in this—the number of new cases decreasing from 29 to 9.

Under Bronchitis and kindred affections of the chest there is a decided improvement, the new cases not exceeding 203; in the two previous returns they amounted to 231 and 230.

Two cases of Croup, one of which occurred at St. Philip's District, Hulme, and the other at the Chorlton Dispensary, both appear to have ended fatally.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 252 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the numbers were 252 and 232. Eight of these deaths are assigned to Fever, 8 to Measles, and 8 to Whooping-Cough.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 122.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 63.4° ; at Old Trafford it was 61.3° ; at the Royal Infirmary 59.8° ; and at Eccles 59.8° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment Dr

MANCHESTER.																	
Area in Statute Acres								Manchester Township 1,645									
Population in 1861								" " 185,050									
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.									
	1	2	3	4	5	6	Total of Districts.	7	ROYAL INFIRMARY.					CHILDREN		1	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.		
Small-pox .....	..	..	..	..	..	..	..	..	6	..	..	..	1	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..
Scarlatina .....	..	1	..	..	..	..	1	..	1	1	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	2	..	..	..	1	3	2	..	5	..	..	..	6	3	..
Dysentery .....	..	..	..	..	1	1	2	..	..	2	..	..	..	..	..	..
Continued Fever.....	..	..	1	..	..	1	2	5	a2	b3	..	..	c3	11	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Rheumatism	1	3	1	2	1	..	8	14	2	17	1	2	1	1	8	..	
Neuralgic Affections .....	..	..	1	..	..	..	1	2	..	5	..	..	..	..	4	..
Constitutional Syphilis .....	..	..	2	..	..	..	2	14	..	19	..	..	..	..	1	..
Phthisis .....	..	1	..	..	..	..	1	9	1	15	..	2	2	..	..	..
Insanity .....	..	..	1	..	..	..	1	8	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	1	..	..	1	1	5	14	..	29	1	3	1	17	22	..
Pleurisy and Pneumonia.....	..	..	..	..	..	..	..	4	..	6	..	1	2	..	..	..
Skin Diseases.....	2	..	1	..	..	1	4	16	..	14	..	..	..	2	15	..
Dyspepsia .....	..	..	..	..	..	..	..	15	..	13	..	..	..	7	16	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	10	..
Accidents and diseases not classified.....	13	6	10	6	2	6	43	54	39	210	2	6	8	61	14	..	
TOTAL	18	14	17	9	5	11	74	159	52	339	4	14	18	106	97	21	

a 1 Typhus and 1 Febricula. b Febricula. c Typhus. d 1 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN
(2) " J. BROADBENT,	(6) Dr. LEDWARD,	(10) " W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) " EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) " C. J. CULLINGWORTH,	(15) " J. OGDEN FL
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) " C. J. CULLINGWORTH,	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

DISTRICTS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 11th day of May, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508		2650			Area in Statute Acres.		
70,967				68,209			44,850		21,739		24,448			Population in 1861.		
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS											DISEASES.	
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	7	2	Small-pox
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox
..	..	3	..	..	..	..	3	1	..	..	..	9	3	Measles
..	..	..	..	..	..	..	..	..	..	2	1	6	13	Scarlatina
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria
..	..	..	..	..	..	..	..	1	..	..	..	5	15	Whooping-cough
..	..	..	..	..	..	1	..	1	..	..	..	2	..	Croup
2	..	4	3	..	..	..	..	..	..	4	3	40	27	Diarrhoea
..	..	1	..	..	..	..	..	..	..	..	..	5	2	Dysentery
1	2	11	..	2	..	..	2	3	..	8	2	58	51	Continued Fever
1	..	3	..	..	..	..	..	..	..	..	..	6	8	Erysipelas
3	1	14	..	2	2	1	1	..	2	8	7	99	51	Rheumatism		
..	..	2	..	..	2	1	..	..	..	3	1	22	16	Neuralgic Affections ..
1	..	5	1	..	..	..	..	1	..	2	2	53	52	Constitutional Syphilis
4	..	7	..	1	..	..	..	1	..	11	11	69	55	Phthisis
1	2	..	1	..	..	..	..	..	..	..	..	13	9	Insanity
4	..	29	3	3	6	5	5	12	1	..	17	182	160	Bronchitis, Influenza, and Catarrh.....		
1	..	2	..	..	..	..	1	2	..	..	2	21	14	Pleurisy & Pneumonia.
..	6	19	..	4	..	..	..	2	..	8	8	101	68	Skin Disease.....
2	..	14	..	1	2	..	5	2	..	10	4	94	78	Dyspepsia		
..	..	2	..	..	..	..	..	..	..	4	..	17	2	Atrophy and Anæmia..
18	12	111	2	9	5	4	9	25	5	63	54	760	632	Accidents and diseases not classified.....		
28	23	227	10	22	17	12	26	51	8	123	112	1569	1258	TOTAL		

e 1 Typhus, removed to Workhouse.

ndeighted for the annexed Returns.

- (17) Dr. T. M. JOHNSON,

(18) „ J. O. BRADBURY,

(20) Dr. BRADDON,
- (21) Mr. S. WOODCOCK,

(22) Dr. ALEX. WILSON,

(23) Mr. H. M. WILLIAMSON,

(24) „ JOSEPH FOSTER,
- (25) Mr. J. T. CALDWELL,

(26) „ J. V. L. WESTMACOTT,

(27) „ E. W. W. MEYRICK,

(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. JohnE.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiplle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	2	1	3	..	1	1	..	8	5
Measles .....	..	3	..	..	..	1	1	..	2	1	..	8	7
Whooping-cough.....	1	..	..	..	..	1	..	..	..	1	1	4	8
Scarlatina .....	..	1	2	..	1	2	1	..	1	..	..	4	5
Diarrhoea .....	..	..	..	..	1	..	2	1	..	..	..	8	26
Fever	6	14	13	3	6	10	7	..	6	12	1	78	75
Diseases of the Lungs	10	16	18	69	9	67	12	29	18	625	69	142	138
Other causes.....													
TOTAL NO. OF DEATHS.	17	34	33	12	19	22	26	10	28	40	11	252	264
TOTAL NO. OF BIRTHS.	41	41	9	19	25	35	38	29	27	63	21	348	265

a 1 Typhus. b 3 Inquests. c 1 Inquest. d 1 Typhus and 1 Typhoid. e 4 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL.	DISEASE.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL
77	39	20	136	.....Small-pox.....	..	3	3	6
1	1	..	2	.....Chicken-pox.....	17	11	1	29
18	46	45	109	.....Measles.....	45	65	49	159
21	9	16	46	.....Scarlatina.....	36	37	49	122
6	2	3	11	.....Diphtheria.....	..	1	1	2
82	100	72	254	.....Whooping-cough....	23	25	14	62
4	1	2	7	.....Croup.....	3	5	1	9
174	195	266	635	.....Diarrhoea.....	131	172	140	443
4	7	4	15	.....Dysentery.....	16	14	8	38
..	..	1	1	.....Cholera.....	..	..	..	..
10	20	11	41	.....Erysipelas.....	28	33	32	93
..	..	1	1	.....Puerperal Fever....	..	..	..	..
9	7	..	16	.....Insanity.....	45	28	35	108
1121	1260	797	3178	.....Bronchitis and Catarrh..	1157	1382	886	3425
32	48	46	126	Pleurisy and Pneumonia..	125	112	72	309
5	1	..	6	.....Carbuncle.....	..	..	..	..
4004	4285	4910	13199	{ Accidents, and all other Diseases. }	4707	5822	4529	15058
5568	6021	6194	17783	..... TOTAL	6333	7710	5820	19863

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.										
Inches.		Wet Days.		Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Royton	5.115	.....	23							
Old Trafford ..	4.323	.....	25							
Wilmslow	3.329	.....	24							
Penketh	3.272	.....	23							
Eccles	4.503	.....	27							
Castleton Moor	..	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.826	29.831	29.839	29.836	29.819	29.819	
Highest.....				29.988	29.980	29.979	29.896	29.530	30.070	
Lowest.....				29.362	29.388	29.383	29.280	28.900	29.462	
Range				0.626	0.592	0.596	0.616	0.630	0.608	
Temperature.										
Adopted Mean				59.8	61.3	59.8	58.9	59.0	60.6	
Range for Week				26.3	25.5	25.5	29.8	26.0	31.9	
Daily Range				17.1	18.8	18.0	15.9	17.2	21.4	
Maximum in Shade				76.8	76.5	75.5	74.2	76.6	79.2	
Minimum in Shade				50.5	51.0	50.0	41.4	50.6	47.3	
Temperature of Dew Point				55.6	52.5	51.1	50.9	50.3	51.3	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
				0.867	0.735	0.732	0.749	0.721	0.715	
Prevailing Winds .....				.....	S	WSW, ESE	S, SE	S, SE	S, SE	
Rain .....				.....	0.392	0.332	0.493	0.865	0.490	
Ozonometer.										
Moffat .....				....	0.00	1.57	....	....	....
Schonbein.....				....	0.00	....	4.28	3.40	4.20	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MAY 18, 1867.

No. 355.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The present disease return may be looked upon as satisfactory. In the week terminating on Saturday, the 18th instant, 1462 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 57, or 1 death in every 25 cases.

Under Continued Fever there is a slight improvement, the total number of new cases not exceeding 53; in the two previous weeks the numbers were 56 and 58, and in the corresponding week of last year 90. Of the 53 cases recorded in the present return only 11 are referred to as examples of true Typhus.

Bronchitis and kindred affections of the chest appear to have been lighted up into renewed activity by the late most unseasonable weather.

Measles is still very general in certain quarters of the town; 16 new cases were returned in the course of the week, 5 of which were attended by the medical officers of the Salford Hospital.

The tendency to Diarrhœa, which was pointed out in the early part of the month, has been effectually checked by the late cold.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 249 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the numbers were 232 and 252.

Diseases of the Lungs proved fatal to 86 persons and Measles to 14.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46·8°, or 5·2° below the average; at the Royal Infirmary it was 47·3°; at Old Trafford 46·6; and at Eccles 45·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	3	..	..	..	1	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	1	1	2	..	4	..	..	..	..	..	..	1	..	..
Scarlatina .....	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	1	..	1	..	..	1	3	3	..	2	..	..	..	3	3	5
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Continued Fever .....	..	..	a11	1	b3	c3	18	9	d1	..	e1	..	e2	4	..	..
Erysipelas .....	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..	..
Rheumatism	1	1	..	..	..	..	2	10	..	18	1	1	1	1	4	3
Neuralgic Affections .....	..	..	..	..	..	..	..	1	1	5	..	..	..	..	4	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	18	..	..	..	..	..	2
Phthisis .....	..	..	..	..	..	..	..	7	2	16	2	..	2	..	1	..
Insanity .....	..	..	1	..	..	..	1	3	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	4	..	4	5	3	18	13	..	39	1	2	3	18	22	4
Pleurisy and Pneumonia .....	..	1	..	..	..	..	1	4	..	4	..	1	2	..	..	..
Skin Diseases .....	..	..	..	..	..	1	1	17	1	10	..	..	..	4	18	4
Dyspepsia .....	..	..	..	..	..	..	..	10	..	13	..	..	..	4	12	3
Atrophy and Anæmia .....	..	..	..	..	..	1	1	..	..	5	..	..	..	..	6	..
Accidents and diseases not classified	10	4	7	6	1	4	32	43	47	225	5	6	5	53	8	2
TOTAL	14	10	21	12	11	14	82	129	56	356	11	10	17	88	79	26

a 1 Febricula. b 2 Febricula. c Febricula. d Typhoid. e1 Typhus and 1 Febricula.

Medical Officers to whom the Association											
(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN								
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD								
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ R. WHIPP,	(15) „ J. OGDEN FL								
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12)	(16) Mr. J. TEALE,								

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

Week ending the 18th day of May, 1867.

f Typhus, removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,	(21) Mr. S. WOODCOCK,	(25) Mr. J. T. CALDWELL,
(18) „ J. O. BRADBURY,	(22) Dr. ALEX. WILSON,	(26) „ J. V. L. WESTMACOTT,
(19) „ J. O. BRADBURY,	(23) Mr. H. M. WILLIAMSON.	(27) „ E. W. W. MEYRICK,
(20) Dr. BRADDON,	(24) „ JOSEPH FOSTER,	(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles .....	..	2	1	..	1	1	4	1	1	2	1	14	3
Whooping-cough.....	4	2	..	..	..	..	..	..	..	2	..	8	6
Scarlatina	1	1	..	1	1	1	..	..	..	1	2	8	7
Diarrhoea .....	..	1	..	2	..	3	2	..	1	1	..	10	5
Fever .....	..	1	2	1	1	..	..	..	..	1	1	7	18
Diseases of the Lungs	12	5	9	7	3	13	11	4	4	15	3	86	60
Other causes.....	7	17	28	5	8	6	7	5	5	24	4	116	122
TOTAL NO. OF DEATHS.	24	29	40	16	14	24	24	10	11	46	11	249	224
TOTAL NO. OF BIRTHS.	42	39	9	17	14	31	32	22	42	59	21	328	308

a 4 Inquests. b Typhus. c Typhoid. d 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL.	DISEASE.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL
77	39	20	136	.....Small-pox.....	..	3	3	6
1	1	..	2	..... Chicken-pox	17	11	1	29
18	46	45	109	..... Measles	45	65	49	159
21	9	16	46	.....Scarlatina.....	36	37	49	122
6	2	3	11	..... Diphtheria .....	..	1	1	2
82	100	72	254	.... Whooping-cough	23	25	14	62
4	1	2	7	.....Croup.....	3	5	1	9
174	195	266	635	.....Diarrhoea	131	172	140	443
4	7	4	15	.....Dysentery.....	16	14	8	38
..	..	1	1	..... Cholera .....	..	..	..	..
10	20	11	41	.....Erysipelas.....	28	33	32	93
..	..	1	1	.... Puerperal Fever ....	..	..	..	..
9	7	..	16	..... Insanity	45	28	35	108
1121	1260	797	3178	..Bronchitis and Catarrh..	1157	1382	886	3425
32	48	46	126	Pleurisy and Pneumonia ..	125	112	72	309
5	1	..	6	.....Carbuncle.....	..	..	..	..
4004	4285	4910	13199	{ Accidents, and all other Diseases. }	4707	5822	4529	15058
5568	6021	6194	17783	..... TOTAL	6333	7710	5820	19863

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J.C. BATES.
Inches.	Wet Days.								
Royton	5.115	..... 23						
Old Trafford ..	4.323	..... 25						
Wilmslow	3.329	..... 24						
Penketh	3.272 23	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {
Eccles	4.503	..... 27						
Castleton Moor ..	..	..... ..					
Height of barometer cistern above sea level	130 ft.	123 ft.							
Barometer.	INS.	INS.							
Mean @ 32° F., and reduced to sea level	29.926	29.925	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {
Highest.....	30.024	30.032							
Lowest	29.442	29.444							
Range	0.582	0.588							
Temperature.	0.582	0.588							
Adopted Mean	47.3	46.6	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {
Range for Week	29.7	34.0							
Daily Range.....	13.1	15.8							
Maximum in Shade	68.0	70.0							
Minimum in Shade	38.3	36.0							
Temperature of Dew Point	44.6	38.7							
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {
Degree of Humidity (Saturation—1,000)	0.914	0.742							
Prevailing Winds .....	..	NE						
Rain .....	..	0.166						
Ozonometer.	..	0.230							
Moffat	2.43	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {	Unreduced {
Schonbein.....	..	5.57							
..	..	2.10							
..	..	4.00							
..							

May 18, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, MAY 25, 1867.

No. 356.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 25th instant, 1557 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 52,—1 death to every 30 cases.

It is satisfactory to find a marked improvement under Continued Fever; last week only 51 new cases were returned, 11 of which are specially referred to as examples of Typhus. In the corresponding week of last year the seizures from Fever amounted to 67.

Diseases connected with the respiratory organs are still very general, due no doubt to the long-continued and trying easterly winds. In the last week in May, 1866, the disorders under this column did not exceed 103, in the corresponding week in this year they rose to 263.

Measles is still pretty general in certain quarters of the town; 14 new cases being entered in the return; 3 of these cases were observed at the Salford Hospital, and 3 at the Chorlton Dispensary.

Whooping-Cough is another disorder which appears to be gaining ground, the new cases rising from 7 to 17; 9 of these cases were seen at the Clinical Hospital.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 217 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks they were still more numerous, amounting respectively to 252 and 249; 67 of these deaths are assigned to diseases of the chest and 10 to Whooping-Cough.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 186.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45.7° , or 8.4° below the average; at the Royal Infirmary it was 48.0° ; at Old Trafford 48.2° ; and at Eccles 46.5° . Thus it will be seen that the weather here, cold as it was, was still considerably warmer than in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres																
Population in 1861																
Manchester Township 1,645																
" " 185,050																
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol.
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	..	2	3	..	..	..	..	..	..	..	1	..
Scarlatina .....	..	1	..	..	..	..	1	..	..	..	..	2	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	1	..	..	..	..	..	4	9	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	2	1	..	..	..	3	2	..	1	..	..	..	5	5	3
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	3	..	..	a4	7	9	b3	2	..	1	a1	5	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatism	2	1	..	..	1	1	5	6	2	15	..	1	2	..	6	2
Neuralgic Affections .....	..	..	..	..	..	1	1	..	..	5	..	..	..	..	5	2
Constitutional Syphilis .....	..	..	..	..	..	1	1	14	..	10	1	..	..	..	1	3
Phthisis	2	2	..	..	..	1	5	9	..	21	1	1	..	..	..	1
Insanity .....	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	5	2	1	6	4	22	13	1	46	1	2	2	13	24	4
Pleurisy and Pneumonia	1	..	..	..	..	..	1	3	1	1	1	1	..	..	..	..
Skin Diseases	1	..	..	..	..	1	2	15	..	9	..	..	..	5	14	3
Dyspepsia .....	..	..	..	1	..	..	1	9	1	21	..	..	..	1	17	2
Atrophy and Anæmia .....	..	..	..	..	..	..	..	..	..	4	..	..	..	..	4	..
Accidents and diseases not classified	10	9	18	4	2	10	53	73	44	232	6	7	15	41	10	1
TOTAL	20	20	24	7	9	25	105	159	52	367	10	15	20	76	96	21

a Febricula. b 2 Typhoid and 1 Febricula. c 1 Typhus, removed to Workhouse.

Medical Officers to whom the Association

- | | | | |
|-----------------------|--------------------------|---------------------------|----------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. J. TATTERSALL, | (13) Mr. H. RUNCORN, |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. H. SUTCLIFFE, | (14) Dr. WHITEHEAD, |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ R. WHIPP, | (15) „ J. OGDEN FLE, |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 25th day of May, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				
1,329				477.			646. ...		508.	2650.			Area in Statute Acres.	
70,967.				68,209. ...			44,850. ..		21739	24,448.			Population in 1861.	
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS										
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.
17	18	19	20	21	22	23	24	25	26	27	28			
..	..	..	..	..	..	..	..	..	..	1	..	1	1	Small-pox
..	..	..	..	..	..	..	..	..	..	..	1	1	..	Chicken-pox
..	..	3	..	2	..	2	..	3	..	..	..	14	..	Measles
..	..	2	..	..	..	..	..	..	..	3	..	8	4	Scarlatina
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria
..	..	2	..	..	..	..	..	1	..	..	..	17	5	Whooping-cough
..	..	..	..	..	..	..	..	..	..	..	1	1	..	Croup
..	..	2	2	..	..	..	..	2	..	4	2	32	19	Diarrhoea
..	..	..	..	..	..	..	1	..	..	..	..	1	3	Dysentery
2	3	7	..	..	..	1	2	..	..	5	2	51	67	Continued Fever
..	..	..	..	..	..	..	1	..	..	..	..	2	5	Erysipelas
..	..	9	1	3	..	..	1	..	1	4	6	64	50	Rheumatism
..	..	..	..	..	..	..	..	..	..	3	2	18	14	Neuralgic Affections ..
..	..	3	..	..	..	..	..	1	..	1	5	40	22	Constitutional Syphilis ..
4	1	12	..	1	..	2	2	1	2	16	12	92	44	Phthisis
..	2	..	..	..	..	..	..	..	1	..	..	8	16	Insanity
5	2	44	3	4	4	5	5	4	5	12	23	250	103	Bronchitis, Influenza, and Catarrh.....
..	..	2	..	..	..	..	1	1	..	..	1	13	8	Pleurisy & Pneumonia.
..	2	20	..	..	..	..	1	..	..	4	8	83	31	Skin Disease.....
2	..	13	..	1	2	..	2	..	..	14	3	90	72	Dyspepsia
..	..	1	..	..	..	..	..	..	..	6	..	13	1	Atrophy and Anæmia..
3	11	98	1	10	4	3	9	27	2	53	39	756	592	Accidents and diseases not classified.....
6	21	218	7	21	10	13	25	40	11	126	105	1557	1057	.... TOTAL

ebted for the annexed Returns.

17) Dr. T. M. JOHNSON,
18) ..
19) ,, J. O. BRADBURY,
20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, E. W. W. MEYRICK,
(28) ,, GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	..	..	..	..	..	1	5
Whooping-cough.....	..	1	..	1	..	..	2	..	2	3	1	10	15
Scarlatina	2	3	..	..	..	1	..	..	..	..	..	6	1
Diarrhoea	1	2	..	2	..	1	..	..	1	1	..	8	11
Fever	1	..	b2	..	..	..	1	1	..	..	1	6	22
Diseases of the Lungs	5	11	6	2	3	6	7	6	9	9	3	67	57
Other causes.....	9	a19	17	c9	8	d6	7	9	10	19	d6	119	115
TOTAL NO. OF DEATHS.	19	36	25	14	11	14	17	16	22	32	11	217	226
TOTAL NO. OF BIRTHS.	46	48	12	17	20	30	31	18	27	66	25	340	225

a 3 Inquests. b Typhus. c 2 Inquests. d 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL.	DISEASE.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL
77	39	20	136	.....Small-pox.....	..	3	3	6
1	1	..	2	.....Chicken-pox.....	17	11	1	29
18	46	45	109	.....Measles.....	45	65	49	159
21	9	16	46	.....Scarlatina.....	36	37	49	122
6	2	3	11	.....Diphtheria.....	..	1	1	2
82	100	72	254	....Whooping-cough....	23	25	14	62
4	1	2	7	.....Croup.....	3	5	1	9
174	195	266	635	.....Diarrhoea.....	131	172	140	443
4	7	4	15	.....Dysentery.....	16	14	8	38
..	..	1	1	.....Cholera.....	..	..	..	..
10	20	11	41	.....Erysipelas.....	28	33	32	93
..	..	1	1	....Puerperal Fever....	..	..	..	..
9	7	..	16	.....Insanity.....	45	28	35	108
1121	1260	797	3178	..Bronchitis and Catarrh..	1157	1382	886	3425
32	48	46	126	Pleurisy and Pneumonia..	125	112	72	309
5	1	..	6	.....Carbuncle.....	..	..	..	..
4004	4285	4910	13199	{ Accidents, and all other Diseases. }	4707	5822	4529	15058
5568	6021	6194	17783	.....TOTAL.....	6333	7710	5820	19863

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.		
Inches.		Wet Days.										
Royton	5.115	.....	23								
Old Trafford ..	4.323	.....	25								
Wilmslow	3.329	.....	24								
Penketh	3.272	.....	23								
Eccles	4.503	.....	27								
Castleton Moor	..	.....	..						
Height of barometer cistern above sea level				130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.		
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.		
Mean @ 32° F., and reduced to sea level				30.000	30.006	29.989	29.986	30.008	NO RETURN.	NO RETURN.		
Highest.....				30.128	30.134	30.111	30.018	29.662				
Lowest				29.599	29.620	29.601	29.444	29.158				
Range				0.529	0.514	0.510	0.574	0.504				
Temperature.				48.0	48.2	46.5	44.4	43.5				
Adopted Mean				35.1	39.8	39.7	36.0	36.0				
Range for Week				17.3	13.0	18.8	16.5	16.0				
Daily Range.....				70.7	71.8	70.8	66.1	66.0				
Maximum in Shade				35.6	32.0	31.1	30.1	30.0				
Minimum in Shade				44.1	36.7	34.3	35.9	34.0				
Temperature of Dew Point				GRS.	GRS.	GRS.	GRS.	GRS.				
Hygrometrical condition of the Atmosphere.				0.862	0.645	0.633	0.720	0.692				
Degree of Humidity (Saturation—1,000)				.....	NE	N, NE	N, E	NE			
Prevailing Winds .....				.....	0.290	0.322	0.211	0.334
Rain												
Ozonometer.				.....	0.00	2.57	.....	.....		
Moffat .....				.....	0.00	....	4.71	2.00
Schonbein.....												

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JUNE 1, 1867.

No. 357.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 1st instant, 1521 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the numbers were 1462 and 1557. The deaths among patients of the same class amounted to 58,—1 death to every 27 cases.

On comparing the Fever return with that of the previous week we observe an increase of 9 cases, the numbers being 51 and 60. The proportion of these cases which is set down to Typhus is considerably higher than that recorded in the previous week, 28 instead of 11 cases being ascribed to this form of Fever.

Bronchitis and kindred affections of the chest are considerably more prevalent than in the corresponding week of last year, the numbers being 146 and 226.

Measles is still very general in certain quarters of the town, more especially in Salford and Chorlton.

The sudden rise under Whooping-Cough, to which allusion was made in our last return, is not maintained in this.

Since the weather became more genial the Diarrhoea returns have become heavier, though not to any very great extent.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 248 deaths were registered in the eleven districts of the Sanitary Association; in the previous week the number did not exceed 217.

Diseases of the Lungs proved fatal to 79 persons, and continued Fever to 11.

Last week the mean temperature of the air at Old Trafford was 57.4°; at Wilmslow 55.9°; and at Eccles 55 0°.—At several of the Stations upwards of an inch of rain was measured.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	1	2	3	4	5	6	Total of Districts.	7	ROYAL INFIRMARY.					CHILDREN		
									Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	3	2	..	5	..	..	..	..	..	..	1	..	..
Scarlatina .....	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	..	..	..	..	4	..	1	..	..	1	3	8	..
Dysentery .....	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..
Continued Fever.....	2	1	..	..	a2	a2	7	9	..	..	..	c2	d5	9	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..
Rheumatism	4	1	1	..	..	2	8	13	1	12	..	..	2	1	9	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	1	3	..	..	..	..	1	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	11	..	16	1	..	..	..	..	..
Phthisis .....	..	2	..	2	..	2	6	6	..	20	1	..	3	1	..	..
Insanity	1	..	..	..	..	1	2	4	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	..	..	1	..	9	15	19	..	38	1	1	1	14	19	..
Pleurisy and Pneumonia....	..	..	..	1	..	..	1	3	1	1	b2	2	..	..	..	..
Skin Diseases.....	..	2	..	..	..	..	2	17	..	4	..	..	..	4	19	..
Dyspepsia .....	..	..	..	1	..	..	1	12	1	20	2	..	1	5	9	..
Atrophy and Anæmia. ....	..	..	..	..	..	1	1	..	..	14	..	..	..	..	6	..
Accidents and diseases not classified.....	17	7	5	4	2	7	42	64	52	242	2	7	10	48	6	..
TOTAL	29	14	6	12	6	25	92	164	57	371	9	13	23	87	79	1

a 1 Typhus, removed to Workhouse. b 1 Removed to Workhouse. c Typhus, removed to Workhouse.

Medical Officers to whom the Association are indebted for their services

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REED,
- (9) } Mr. W. J. TATTERSALL,

(10) } „ W. H. SUTCLIFFE,

(11) } „ R. WHIPP,

(12) }
- (13) Mr. H. RUNCOLN,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN F.

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 1st day of June, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancocats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	5	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	..	4	..	1	..	..	..	3	..	..	..	14	4	Measles .....	..
..	..	2	..	..	..	..	..	..	..	4	..	8	5	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	3	..	..	..	..	..	1	..	..	..	9	7	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	1	Croup	1
1	..	3	3	..	..	..	..	..	..	5	4	38	37	Diarrhoea	2
..	..	..	..	..	..	..	1	..	..	..	..	4	3	Dysentery .....	..
..	..	8	..	1	..	1	4	3	..	4	7	60	75	Continued Fever	6
..	..	..	..	..	..	..	..	..	..	..	..	2	5	Erysipelas .....	..
2	1	11	..	2	..	2	1	1	..	6	5	78	57	Rheumatism .....	..
..	..	3	..	..	..	..	..	1	..	2	1	14	15	Neuralgic Affections ..	..
..	..	5	2	1	..	..	..	..	..	3	3	45	39	Constitutional Syphilis	..
..	1	13	..	..	..	1	1	4	3	17	7	85	57	Phthisis	12
..	2	..	..	..	..	..	..	..	..	..	..	8	12	Insanity .....	..
4	1	43	2	7	6	6	3	5	..	10	19	214	146	Bronchitis, Influenza, and Catarrh.....	11
1	..	..	..	..	..	1	..	..	..	..	..	12	9	Pleurisy & Pneumonia.	..
1	3	14	..	..	..	..	..	..	..	3	3	73	83	Skin Disease.....	..
..	1	15	..	1	..	..	5	1	1	10	5	92	88	Dyspepsia .....	..
..	..	4	..	..	..	..	..	..	..	4	..	29	2	Atrophy and Anæmia..	2
6	15	83	2	9	3	2	7	27	3	48	47	735	615	Accidents and diseases not classified.....	23
15	24	211	9	22	9	13	22	47	7	116	101	1521	1266	.... TOTAL	58

d 4 Typhus, removed to Workhouse. e 3 Typhus and 1 Typhoid, 2 sent to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ „
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
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(28) „ GEORGE CLEMENTS.

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wn from the weekly returns.

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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	1	1	..
Measles	2	1	..	..	..	..	2	..	3	..	..	8	6
Whooping-cough.....	3	1	..	..	..	1	..	..	1	4	..	10	5
Scarlatina	2	1	..	1	..	..	..	..	..	..	1	5	5
Diarrhœa .....	..	..	1	..	1	..	2	..	..	2	1	7	6
Fever	1	..	a4	..	..	..	1	2	..	c2	1	11	28
Diseases of the Lungs	11	10	6	2	3	11	11	6	6	10	3	79	62
Other causes.....	20	19	11	b8	7	b11	7	9	12	21	2	127	145
TOTAL NO. OF DEATHS.	39	32	22	11	11	23	23	17	22	39	9	248	257
TOTAL NO. OF BIRTHS.	43	44	9	19	16	27	21	22	26	70	19	316	344

a 3 Typhus, and 1 Scarlet. b 2 Inquests. c 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL.	DISEASE.	4 Weeks ending 23rd Feb.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	TOTAL
77	39	20	136	.....Small-pox.....	..	3	3	6
1	1	..	2	..... Chicken-pox	17	11	1	29
18	46	45	109	..... Measles	45	65	49	159
21	9	16	46	.....Scarlatina.....	36	37	49	122
6	2	3	11	..... Diphtheria .....	..	1	1	2
82	100	72	254	.... Whooping-cough	23	25	14	62
4	1	2	7	.....Croup.....	3	5	1	9
174	195	266	635	.....Diarrhœa.....	131	172	140	443
4	7	4	15	.....Dysentery.....	16	14	8	38
..	..	1	1	..... Cholera .....	..	..	..	..
10	20	11	41	.....Erysipelas.....	28	33	32	93
..	..	1	1	.... Puerperal Fever ....	..	..	..	..
9	7	..	16	..... Insanity	45	28	35	108
1121	1260	797	3178	.. Bronchitis and Catarrh..	1157	1382	886	3425
32	48	46	126	Pleurisy and Pneumonia ..	125	112	72	309
5	1	..	6	..... Carbuncle .....	..	..	..	..
4004	4285	4910	13199	{ Accidents, and all other Diseases. }	4707	5822	4529	15058
5568	6021	6194	17783	..... TOTAL	6333	7710	5820	19863

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.			Royal Infirmary, Dr. REED.		Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.									
Royton	2.404	10								
Wilmslow	2.044	13								
Old Trafford ..	1.950	9								
Eccles	1.788	15								
Penketh	1.732	11								
Castleton Moor	..	..						
Height of barometer cistern above sea level			130 ft.		123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.					INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level					29.834	29.816	29.831	29.812	29.810	
Highest.....					30.028	30.011	29.932	29.568	30.100	
Lowest					29.416	29.401	29.312	28.962	29.476	
Range					0.612	0.610	0.620	0.606	0.624	
Temperature.										
Adopted Mean					57.4	55.0	55.9	54.8	58.0	
Range for Week					30.8	29.0	23.9	29.9	32.5	
Daily Range.....					19.2	16.5	13.3	17.0	18.7	
Maximum in Shade					73.8	70.5	69.4	70.0	73.8	
Minimum in Shade					43.0	41.5	45.5	40.5	41.3	
Temperature of Dew Point					50.9	52.0	49.9	49.7	50.4	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)					GRS.	GRS.	GRS.	GRS.	GRS.	
					0.790	0.900	0.783	0.830	0.759	
Prevailing Winds					S,SE	SW,SE	S,SSE	S,SW	S,SW	
Rain					1.102	0.896	1.224	1.149	0.775	
Ozonometer.										
Moffat					0.00	2.71	..	..	..
Schonbein.....					0.00	..	4.86	3.80	5.70	

June 1, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JUNE 8, 1867.

No. 358.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The returns for the week may be looked upon as satisfactory. In the week ending on Saturday, the 8th instant, 1398 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the numbers were 1557 and 1521. The deaths among patients of the same class amounted to 52, or 1 death to every 26 cases.

Under diseases connected with the respiratory organs we observe this week a decided improvement, the new cases falling from 226 to 178.

The seizures from Continued Fever also proved less numerous than in the previous week, the numbers being 60 and 52. Of these 52 cases 19 are specially referred to as examples of true Typhus.

In many quarters of the town Measles appear to be steadily gaining ground; in the township of Manchester there were only 3 new cases, but in Salford there were 9, and in Chorlton 7.

With the advance of the season Diarrhoea and Dysentery appear to be gaining ground. A fortnight ago there were only 33 cases, last week 45.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 220 deaths were registered in the eleven districts which supply the Sanitary Association with returns; in the preceding week the rate of mortality was considerably higher.

Diseases connected with the Lungs proved fatal to 85 persons, Continued Fever to 10, and Diarrhoea to 8.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 128.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 56·8°; at the Royal Infirmary it was 54·1°; and at Old Trafford 54·1.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALF

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment Du

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
								ROYAL INFIRMARY.					CHILDREN			
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	2	..	1	3	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	2	2	1	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	2	2	..	..	1	..	..	..	..	2	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	..	..	..	..	..	2	5	..	4	..	..	..	4	4	..
Dysentery .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Continued Fever.....	..	..	3	..	a1	2	6	14	b3	..	..	..	c2	7	..	..
Erysipelas .....	..	..	..	..	..	1	1	2	1	2	..	..	..	..	..	..
Rheumatism .....	..	3	..	..	a1	..	4	8	..	16	..	..	1	1	1	2
Neuralgic Affections.....	..	..	1	..	..	..	1	..	..	7	..	..	..	..	4	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	..	13	..	..	..	..	..	3
Phthisis .....	..	..	..	..	..	..	..	6	..	16	2	2	1	..	1	..
Insanity	1	..	2	..	..	..	3	5	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	3	2	..	..	9	8	2	27	1	8	..	12	9	2
Pleurisy and Pneumonia....	..	..	..	1	..	..	1	4	..	5	..	..	..	..	..	..
Skin Diseases.....	1	..	..	..	..	..	1	11	..	11	..	..	1	4	14	4
Dyspepsia .....	..	..	..	..	..	2	2	8	1	16	..	1	..	..	6	2
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	6	..	..	..	..	7	..
Accidents and diseases not classified.....	15	3	9	1	4	12	44	69	41	237	8	3	4	46	5	..
TOTAL	21	8	18	6	6	22	81	148	48	361	11	14	9	74	53	18

a Removed to Workhouse. b 1 Typhus and 2 Typhoid. c Febricula.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REED,
- (9) } Mr. W. J. TATTERSALL,

(10) } „ W. H. SUTCLIFFE,

(11) } „ R. WHIPP,

(12) }
- (13) Mr. H. RUNCORN

(14) Dr. WHITEHEAD

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(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been notice

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 8th day of June, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477.....			646...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ..			44,850..		21739	24,448			Population in 1861.		
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	1	..	..	..	1	..	2	2	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
3	..	6	..	2	..	..	3	4	..	1	..	22	6	Measles	1
..	..	1	..	..	1	..	..	..	1	3	..	9	3	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	2	..	1	..	..	1	..	..	1	..	10	12	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
..	..	4	3	..	2	..	..	..	..	4	2	39	47	Diarrhoea	1
..	..	..	..	..	..	..	1	1	..	1	..	6	3	Dysentery .....	..
..	..	9	..	..	al	2	..	1	al	2	4	52	67	Continued Fever	2
..	..	..	..	..	..	..	..	..	..	..	1	7	11	Erysipelas .....	..
1	..	11	..	..	..	..	1	..	..	4	4	54	60	Rheumatism .....	..
..	..	2	..	..	..	..	..	..	..	2	..	17	18	Neuralgic Affections ..	..
..	..	4	2	..	..	..	..	..	..	8	5	41	41	Constitutional Syphilis	..
..	1	9	..	1	..	1	1	3	..	12	6	62	66	Phthisis	10
1	3	..	..	..	..	..	..	..	..	..	..	13	20	Insanity .....	..
1	..	37	2	2	3	1	5	9	1	12	12	165	134	Bronchitis, Influenza, and Catarrh.....	7
..	..	1	..	..	..	..	..	1	1	..	..	13	8	Pleurisy & Pneumonia.	..
..	1	15	1	..	..	..	1	..	..	2	8	75	77	Skin Disease.....	..
1	..	12	..	..	2	..	4	2	..	8	2	67	90	Dyspepsia .....	..
..	..	2	..	..	..	..	1	..	..	4	..	20	1	Atrophy and Anæmia..	..
4	39	96	2	8	4	2	8	16	2	40	39	724	635	Accidents and diseases not classified.....	31
11	44	211	10	14	13	7	26	37	6	105	83	1398	1303	.... TOTAL	52

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, E. W. W. MEYRICK,
(28) ,, GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions
n from the weekly returns

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipton.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	5	1
Measles	1	1	..	..	..	1	2	..	..	..	..	8	3
Whooping-cough	1	..	1	..	..	2	2	..	1	1	..	8	8
Scarlatina	3	1	..	..	..	1	..	..	..	1	2	8	10
Diarrhoea .....	..	2	1	..	1	2	1	1	..	..	..	8	8
Fever .....	..	..	a3	1	..	b1	4	1	..	..	..	10	19
Diseases of the Lungs	10	13	15	7	5	6	4	3	7	10	5	85	72
Other causes	11	15	15	8	1	c3	11	2	c8	17	5	96	117
TOTAL NO. OF DEATHS.	26	32	35	16	7	16	24	7	16	29	12	220	238
TOTAL NO. OF BIRTHS.	36	38	33	12	11	43	17	13	38	63	25	329	336

a 2 Typhus, and 1 Typhoid. b Typhoid. c 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL.	DISEASE.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL
39	20	20	79	.....Small-pox.....	3	3	14	20
1	..	..	1	.....Chicken-pox.....	11	1	1	13
46	45	41	132	.....Measles.....	65	49	68	182
9	16	30	55	.....Scarlatina.....	37	49	25	111
2	3	3	8	.....Diphtheria.....	1	1	..	2
100	72	60	232	....Whooping-cough....	25	14	32	71
1	2	2	5	.....Croup.....	5	1	3	9
195	266	341	802	.....Diarrhoea.....	172	140	141	453
7	4	1	12	.....Dysentery.....	14	8	10	32
..	1	..	1	.....Cholera.....	..	..	..	..
20	11	23	54	.....Erysipelas.....	33	32	18	83
..	1	2	3	....Puerperal Fever....	..	..	..	..
7	..	..	7	.....Insanity.....	28	35	39	102
1260	797	643	2700	..Bronchitis and Catarrh..	1382	886	857	3125
48	46	91	185	Pleurisy and Pneumonia ..	112	72	72	256
1	..	..	1	.....Carbuncle.....	..	..	..	..
4285	4910	4827	14022	{ Accidents, and all other Diseases. }	5822	4529	4827	15178
6021	6194	6084	18299	..... TOTAL	7710	5820	6107	19637

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	2.404	10							
Wilmslow	2.044	13							
Old Trafford ..	1.950	9							
Eccles	1.788	15							
Penketh	1.732	11							
Castleton Moor	..	..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.836	29.826		29.802	29.819	29.815	
Highest			29.975	29.984		29.886	29.475	30.051	
Lowest			29.516	29.503		29.226	29.045	29.584	
Range			0.459	0.481		0.660	0.430	0.467	
Temperature.									
Adopted Mean			54.1	54.8		53.0	52.1	54.0	
Range for Week			25.0	23.0		19.5	24.3	23.5	
Daily Range			10.2	13.8		11.8	12.6	13.9	
Maximum in Shade			70.2	68.0		63.8	66.5	68.0	
Minimum in Shade			45.2	45.0		44.3	42.2	41.5	
Temperature of Dew Point			51.1	48.7		50.8	47.1	49.3	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.900	GRS. 0.794	NO RETURN.	GRS. 0.919	GRS. 0.833	GRS. 0.842	NO RETURN.
Prevailing Winds .....			.....	SW		S, SW	SW	SW	
Rain .....			.....	1.342		1.752	1.233	0.986	
Ozonometer.									
Moffat .....			.....	0.00		5.00	4.00	5.40	
Schonbein .....			.....	0.00					

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JUNE 15, 1867.

No. 359.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continues satisfactory. In the week ending on Saturday, the 15th instant, 1241 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class did not exceed 46,—1 death to every 27 cases.

The most satisfactory feature in the present return is the marked diminution in the number of new cases of Continued Fever. The seizures from the various forms of this disease did not exceed 30; in the two previous weeks the respective numbers were 60 and 52. The instances in which the disease proved true Typhus did not exceed 15.

Measles is still very general in certain quarters of the town, more especially in Salford and in Hulme. In the course of the week 23 new cases were recorded; in the corresponding week of last year there were only 5.

Diseases of the respiratory organs are far less prevalent than they were in the latter part of May, the new cases falling from 226—the number recorded in the last week of that month—to 140.

Diarrhœa is far less general than in the corresponding week of last year.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 223 deaths were registered in the eleven districts of the Sanitary Association. This number nearly exactly corresponds with the total (220) recorded in our last return.

Diseases of the Lungs proved fatal to 67 persons, Fever to 11, and Whooping-Cough to 10.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated number by 162.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59·9°; at Old Trafford it was 58·0°; and at the Infirmary 56·8.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	1	..	..	2	3	..	..	..	..	..	..	..	1
Scarlatina .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	2	3
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	..	..	1	1	3	..	4	..	..	1	2	6
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	..	..	..	<i>a</i> 1	<i>b</i> 3	4	11	<i>c</i> 3	..	..	<i>c</i> 2	..	1	..
Erysipelas	1	..	..	..	..	..	1	..	1	..	..	1	1	..	..
Rheumatism	2	2	..	..	..	1	5	12	1	7	1	..	..	..	1
Neuralgic Affections.....	..	..	..	..	..	..	..	..	1	4	..	..	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	7	..	12	..	..	..	..	1
Phthisis .....	..	1	..	..	1	..	2	7	..	16	4	1	..	..	2
Insanity	1	..	1	..	..	1	3	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	..	2	1	1	..	..	4	11	..	24	..	1	2	6	12
Pleurisy and Pneumonia....	..	..	..	..	1	..	<i>i</i>	3	1	2	..	..	..	..	2
Skin Diseases.....	..	..	..	..	..	..	..	17	..	5	1	..	..	2	9
Dyspepsia .....	..	..	..	..	1	..	1	15	1	12	..	..	..	2	14
Atrophy and Anæmia. ....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	8
Accidents and diseases not classified.....	10	6	3	3	..	7	29	47	48	221	4	3	5	26	6
TOTAL	14	11	8	4	4	15	56	135	56	309	10	8	9	41	65

a Removed to Workhouse. *b* Febricula. *c* Typhus. *d* Typhoid. *e* 2 Typhus and 1 Typhoid.

Medical Officers to whom the Associati

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) } Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCO
(2) " J. BROADBENT.	(6) Dr. LEDWARD,	(10) }	(14) Dr. WHITEHE
(3) " EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) }	(15) " J. OGDEN
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) }	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-
medical relief to the workhouse, and are then reported twice over this fact has several times been not

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 15th day of June, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
.. 1,329 .....				.... 477. ....			.. 646. ...		508.	..... 2650.....				Area in Statute Acres.	
.. 70,967. ....				.. 68,209. ..			.. 44,850. ..		21739	.....24,448				Population in 1861.	
POOR LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.									St. Philip's	
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	1	..	..	..	..	..	..	..	..	1	3	2	Small-pox .....	..
..	1	Chicken-pox .....	..
3	..	4	..	7	..	3	1	1	..	..	..	23	5	Measles .....	..
..	..	2	..	..	..	..	..	..	..	..	1	4	5	Scarlatina .....	..
..	Diphtheria .....	..
..	1	..	..	..	..	7	2	Whooping-cough ....	..
..	1	Croup .....	..
..	..	2	4	..	..	..	..	1	..	3	..	29	54	Diarrhoea	1
..	1	3	Dysentery .....	..
..	..	7	..	..	..	..	1	..	1	..	..	30	71	Continued Fever	4
..	..	1	..	..	..	..	..	..	..	..	..	6	5	Erysipelas .....	..
1	..	12	..	..	3	..	1	2	..	5	2	57	68	Rheumatism .....	..
..	..	3	..	..	..	..	..	..	..	4	..	15	21	Neuralgic Affections ..	..
..	..	5	..	..	..	..	..	..	..	5	2	34	41	Constitutional Syphilis	..
..	..	11	..	1	..	..	2	..	2	10	2	60	60	Phthisis	7
1	1	..	1	..	..	8	11	Insanity .....	..
1	1	28	..	..	1	2	2	3	2	12	13	131	126	Bronchitis, Influenza, and Catarrh.....	7
..	9	15	Pleurisy & Pneumonia.	..	
..	6	13	..	..	1	2	..	..	..	..	10	70	61	Skin Disease.....	..
1	..	11	..	..	1	..	1	..	..	6	1	70	88	Dyspepsia .....	..
..	..	1	..	..	..	..	..	..	..	2	..	12	..	Atrophy and Anæmia..	..
4	7	134	2	6	5	1	4	27	2	40	41	672	661	Accidents and diseases not classified.....	27	
11	14	235	6	14	11	8	14	34	8	87	73	1241	1301	.... TOTAL	46

ndeighted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

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wn from the weekly returns.

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Small Pox	1	..	3	5	1
Measles	1	1	5	9
Whooping-cough.....	3	2	2	2	1	10	4
Scarlatina	1	..	1	2	1	5	4
Diarrhoea	1	..	1	1	1	2	1	2	..	1	..	10	8
Fever	2	3	a3	2	..	1	..	11	13
Diseases of the Lungs	13	6	8	2	6	8	1	3	4	11	5	67	61
Other causes.....	16	9	19	5	7	b3	16	9	8	19	4	115	139
TOTAL NO. OF DEATHS.	36	21	32	8	14	15	19	16	15	36	11	223	242
TOTAL NO. OF BIRTHS.	25	30	12	10	11	23	28	17	22	76	15	269	340

a Typhus. b 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

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Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL.	DISEASE.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL
39	20	20	79	.....Small-pox.....	3	3	14	20
1	..	..	1	..... Chicken-pox	11	1	1	13
46	45	41	132	..... Measles	65	49	68	182
9	16	30	55	.....Scarlatina.....	37	49	25	111
2	3	3	8	..... Diphtheria	1	1	..	2
100	72	60	232	.... Whooping-cough	25	14	32	71
1	2	2	5	.....Croup.....	5	1	3	9
195	266	341	802	.....Diarrhoea.....	172	140	141	453
7	4	1	12	.....Dysentery.....	14	8	10	32
..	1	..	1	..... Cholera .....	..	..	..	..
20	11	23	54	.....Erysipelas.....	33	32	18	83
..	1	2	3	.... Puerperal Fever ....	..	..	..	..
7	..	..	7	..... Insanity	28	35	39	102
1260	797	643	2700	.Bronchitis and Catarrh..	1382	886	857	3125
48	46	91	185	Pleurisy and Pneumonia ..	112	72	72	256
1	..	..	1	.....Carbuncle.....	..	..	..	..
4285	4910	4827	14022	{ Accidents, and all other Diseases. }	5822	4529	4827	15178
6021	6194	6084	18239	..... TOTAL	7710	5820	6107	19637

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, REV. J.C. BATES.
Inches.	Wet Days.								
Royton	2.404	..... 10							
Wilmslow	2.044	..... 13							
Old Trafford ..	1.950	..... 9							
Eccles	1.788	..... 15							
Penketh	1.732	..... 11							
Castleton Moor	..	..... ..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.064	30.094		30.099	30.075	30.099	
Highest.....			30.200	30.244		30.128	29.789	30.326	
Lowest			29.734	29.806		29.690	29.303	29.884	
Range			0.466	0.438		0.438	0.481	0.442	
Temperature.									
Adopted Mean			56.8	58.0		55.3	53.7	57.4	
Range for Week			33.1	37.0		34.2	35.7	38.0	
Daily Range.....			18.0	21.2		15.5	18.4	20.0	
Maximum in Shade			79.0	82.0		76.3	75.3	81.4	
Minimum in Shade			45.9	45.0		42.1	39.6	43.4	
Temperature of Dew Point			54.3	50.2		50.2	46.4	49.9	
Hygrometrical condition of the Atmosphere.			GRS.	GRS.		GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)			0.913	0.745		0.832	0.765	0.762	
Prevailing Winds .....			.....	SW		N,NW	SW	SW	
Rain .....			.....	0.203		0.311	0.240	0.066	
Ozonometer.									
Moffat .....			.....	0.00		.....	.....	.....
Schonbein.....			.....	0.00		4.85	5.60	5.80	

June 15, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JUNE 22, 1867.

No. 360.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The last Disease Returns are heavier than those for the previous week. This, however, is probably due to the fact that the returns relate to a week succeeding the Whitsuntide holidays. After such seasons of festivity the calls upon the medical charities of the town are always unusually numerous. In the course of the week 1514 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the previous week, Whitsun-week, there were only 1241. The deaths among patients of the same class amounted to 56,—1 death to every 27 cases.

In the present return we observe a marked increase under Diarrhœa, the new cases rising from 30 to 63.

Continued Fever is another disease which proved more prevalent than in the previous week; 48 seizures were entered in the course of the week, 10 of which are attributed to true Typhus. Three of the latter were admitted as in-patients of the Royal Infirmary.

Under Bronchitis and kindred affections of the chest there is a decided increase—as is shown by the returns for the last three weeks—the numbers being 178, 140, and 213.

The returns of new cases of Measles, which during several consecutive weeks proved considerably above the average, are this week decidedly more favourable.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 232 deaths were registered in the eleven districts of the Sanitary Association. In the corresponding week of last year the number was 213.

With the advance of the season the cases of Diarrhœa appear to take on a more serious form,—a fortnight ago there were only 8 deaths, last week there were 12.

In London, according to the last return of the Registrar General, the deaths were less by 193 than the estimated average.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 55.3° (or 4.1 below the average); at Old Trafford it was 55.6° ; and at the Royal Infirmary 54.0 .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	1	..	..	..	..	..	2	1
Scarlatina .....	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	7
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	2	2	..	2	1	..	7	4	..	4	..	..	1	12	4
Dysentery .....	..	..	..	..	..	1	1	1	..	1	..	..	..	..	..
Continued Fever.....	a1	b1	2	1	b2	2	9	5	c6	..	..	..	d1	12	..
Erysipelas	1	..	..	1	..	..	2	1	..	2	..	..	..	..	..
Rheumatism .....	..	2	..	..	1	1	4	3	..	15	3	2	..	..	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	5	1	..	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	1	1	13	..	13	..	..	..	1	1
Phthisis .....	..	1	..	..	..	..	1	12	..	25	3	3	1	1	2
Insanity .....	..	..	..	..	..	1	1	7	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	2	..	1	2	2	10	23	1	29	..	..	2	22	10
Pleurisy and Pneumonia....	2	..	..	..	..	..	2	5	..	7	..	..	1	1	..
Skin Diseases.....	..	..	..	..	..	..	..	15	..	9	..	..	..	3	10
Dyspepsia	1	..	..	..	..	1	2	11	..	17	..	..	..	2	21
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
Accidents and diseases not classified.....	13	4	14	5	1	18	55	81	45	208	2	6	11	30	12
TOTAL.....	23	12	16	10	7	31	99	182	53	335	9	11	17	38	85

a Removed to Workhouse.

b Febricula.

c 3 Typhus and 3 Febricula.

d Typhus.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.
 (2) „ J. BROADBENT,
 (3) „ EDWARD MEACHAM,
 (4) Dr. BRADDON

- (5) Mr. OCTAVIUS DEAN,
 (6) Dr. LEDWARD,
 (7) Mr. J. WESTMORELAND,
 (8) Dr. GEORGE REEF,

- (9) Mr. W. J. TATTERSALL,
 (10) „ W. H. SUTCLIFFE,
 (11) „ R. WHIPP,
 (12)

- (13) Mr. H. RUNCO
 (14) Dr. WHITEHEAD
 (15) „ J. OGDEN
 (16) Mr. J. TEALE

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-medical relief to the workhouse, and are then reported twice over this fact has several times been no

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

week ending the 22nd day of June, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
1,329				477			646		508.	2650				Area in Statute Acres.		
70,967.				68,209.			44,850 ..		21739	24,448				Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.	
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	1	..	1	1	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	..	3	..	3	..	..	1	..	..	..	..	13	2	Measles	1
1	1	1	..	..	..	..	..	..	..	..	..	5	15	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	..	..	..	..	..	..	11	4	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	..	4	5	2	..	1	..	..	..	2	8	59	53	Diarrhoea .....	..
..	..	..	..	..	..	..	..	..	..	1	..	4	5	Dysentery .....	..
61	1	6	..	..	..	4	..	1	..	..	1	48	92	Continued Fever	8
..	..	..	..	..	..	..	..	..	..	..	1	6	6	Erysipelas .....	..
3	..	14	1	2	2	..	..	..	..	4	11	69	55	Rheumatism .....	..
1	..	2	..	..	..	..	..	..	..	..	..	14	12	Neuralgic Affections ..	..
..	..	4	1	1	..	..	..	1	..	3	3	47	36	Constitutional Syphilis	..
4	..	9	..	2	..	..	1	3	..	8	6	82	58	Phthisis	9
1	4	1	..	..	..	..	..	..	..	..	..	15	8	Insanity .....	..
1	2	33	3	4	4	2	4	12	1	12	13	194	110	Bronchitis, Influenza, and Catarrh.....	8	
..	..	1	..	..	..	..	..	1	..	..	1	19	9	Pleurisy & Pneumonia.	2
..	3	15	..	..	..	..	1	2	..	3	15	79	55	Skin Disease.....	..
3	..	10	..	..	2	..	2	..	..	..	1	74	82	Dyspepsia .....	..
..	..	3	..	..	..	..	2	..	..	6	1	24	4	Atrophy and Anæmia..	2
6	8	109	1	8	4	2	6	34	7	40	62	750	624	Accidents and diseases not classified.....	25	
21	19	217	11	22	12	9	17	54	8	80	123	1514	1232	.... TOTAL	56

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) .. J. O. BRADBURY,
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRICK,
(28) .. GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	..	1	2	..	..	1	..	5	4
Whooping-cough.....	2	3	..	1	..	2	2	..	1	..	2	13	5
Scarlatina	2	..	..	..	..	1	..	..	..	2	1	6	1
Diarrhœa	1	3	..	..	..	2	..	1	2	2	1	12	12
Fever	2	..	b4	..	..	..	..	..	1	..	1	8	14
Diseases of the Lungs	10	8	6	1	1	14	2	6	4	14	7	73	49
Other causes.....	a12	12	21	c5	d9	e7	e16	4	8	d14	e7	115	128
TOTAL NO. OF DEATHS.	29	27	31	7	10	27	22	11	16	33	19	232	213
TOTAL NO. OF BIRTHS.	48	52	25	26	16	35	42	19	32	92	28	416	322

a 4 Inquests. b Typhus. c 2 Inquests d 3 Inquests. e 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL.	DISEASE.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL
39	20	20	79	..... Small-pox.....	3	3	14	20
1	..	..	1	..... Chicken-pox	11	1	1	13
46	45	41	132	..... Measles	65	49	68	182
9	16	30	55	..... Scarlatina.....	37	49	25	111
2	3	3	8	..... Diphtheria.....	1	1	..	2
100	72	60	232	.... Whooping-cough	25	14	32	71
1	2	2	5	..... Croup.....	5	1	3	9
195	266	341	802	..... Diarrhœa	172	140	141	453
7	4	1	12	..... Dysentery.....	14	8	10	32
..	1	..	1	..... Cholera .....	..	..	..	..
20	11	23	54	..... Erysipelas.....	33	32	18	83
..	1	2	3	.... Puerperal Fever ....	..	..	..	..
7	..	..	7	..... Insanity	28	35	39	102
1260	797	643	2700	.. Bronchitis and Catarrh..	1382	886	857	3125
48	46	91	185	Pleurisy and Pneumonia ..	112	72	72	256
1	..	..	1	..... Carbuncle.....	..	..	..	..
4285	4910	4827	14022	{ Accidents, and all other Diseases. }	5822	4529	4827	15178
6021	6194	6084	18299	..... TOTAL	7710	5820	6107	19637

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.									
Royton	2.404	.....	10							
Wilmslow	2.044	.....	13							
Old Trafford ..	1.950	.....	9							
Eccles	1.788	.....	15							
Penketh	1.732	.....	11							
Castleton Moor	..	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.129	30.137		30.128	30.120		
Highest.....				30.134	30.124		30.010	29.662		
Lowest				30.006	30.020		29.906	29.557		
Range				0.128	0.104		0.104	0.105		
Temperature.										
Adopted Mean				54.0	55.6		53.3	52.8		
Range for Week				18.4	20.8		19.0	20.0		
Daily Range.....				12.0	14.1		12.5	13.9		
Maximum in Shade				64.8	68.8		64.5	64.0		
Minimum in Shade				46.4	48.0		45.5	44.0		
Temperature of Dew Point				52.0	49.1		47.9	47.8		
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS.	GRS.		GRS.	GRS.		
				0.926	0.798		0.820	0.833		
Prevailing Winds .....				.....	NE,NW		NW	NW		
Rain .....				.....	0.037		0.058	0.153		
Ozonometer.										
Moffat .....				.....	0.00		....	....
Schonbein.....				.....	0.00		0.00	2.00		

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JUNE 29, 1867.

No. 361.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 29th inst., 1505 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the respective numbers were 1241 and 1514. The deaths at the same time among these patients amounted to 55,—1 death to every 27 cases.

It is satisfactory to find that, at the present time, Manchester is more than usually free from epidemic disease. The new cases of Continued Fever which, in the corresponding week of last year amounted to 73, did not exceed 39; 15 of these are attributed to true Typhus.

Under Diarrhœa and Dysentery 66 seizures are recorded, a slight increase as compared with our last returns.

Bronchitis and kindred affections of the chest are far more general than in the corresponding period of last year.

In certain quarters of the town, more especially in the neighbourhood of the Clinical Hospital, Whooping-cough appears to be gaining ground, no fewer than 10 new cases having been observed among the patients of that Institution. Measles, likewise, is still pretty general in some parts of Salford and Hulme.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 221 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the numbers were 223 and 232.

Diseases of the lungs proved fatal to 61 persons, and Fever to 14.

In the London Road District one death was attributed to English Cholera.

In London, according to the last return of the Registrar General, the deaths fell short of the estimated average by 176.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59.1° ; at the Royal Infirmary it was 58.4° ; at Old Trafford 58.2 ; and at Wilmslow 56.4 .

JOHN ED. MORGAN, M.D., M.A., Hon.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment Du

MANCHESTER.																		
Area in Statute Acres	Manchester Township 1,645																	
Population in 1861	" " 185,050																	
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.										
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		St. Mary's Hospital.	Clinical Hospital.	City Gaol.
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.			
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16	
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..
Scarlatina .....	..	1	..	..	..	..	1	2	1	..	..	..	1	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	2	..	..	..	..	1	3	..	..	1	..	..	..	1	10	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Diarrhœa.....	1	..	..	..	..	..	1	7	..	6	..	1	..	4	10	..	..
Dysentery .....	..	..	..	..	..	3	3	..	..	..	..	..	..	1	1	..	..
Continued Fever.....	a1	..	..	a1	a2	2	6	5	b1	..	..	c2	..	4	..	..	..
Erysipelas .....	..	..	..	1	..	..	1	2	..	..	..	..	..	..	..	..	..
Rheumatism	1	1	..	..	1	..	3	8	1	15	..	..	..	..	1	..	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	5	..	..	..	..	8	..	..
Constitutional Syphilis .....	..	..	1	..	..	..	1	7	..	23	1	1	..	..	..	..	..
Phthisis .....	..	1	..	3	..	2	6	5	1	21	2	..	1	1	3	..	..
Insanity .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	7	2	1	1	1	1	13	12	1	37	2	3	1	13	10	..	..
Pleurisy and Pneumonia....	..	..	..	..	1	..	1	3	..	4	..	2	1	..	..	..	..
Skin Diseases.....	2	1	..	..	..	..	3	7	..	15	..	..	..	4	14	..	..
Dyspepsia	2	..	2	1	..	1	6	9	..	17	..	1	..	7	12	..	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	..	..
Accidents and diseases not classified.....	10	4	12	6	5	6	43	73	55	211	1	7	7	46	10	..	..
TOTAL	26	10	17	13	10	16	92	140	63	355	6	17	11	85	96	28	..	

a Removed to Workhouse.

b Typhus.

c Febricula.

d Typhus removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.
 (2) „ J. BROADBENT,
 (3) „ EDWARD MEACHAM,
 (4) Dr. BRADDON

- (5) Mr. OCTAVIUS DEAN,
 (6) Dr. LEDWARD,
 (7) Mr. J. WESTMORELAND,
 (8) Dr. GEORGE REEL,

- (9) Mr. W. J. TATTERSALL,
 (10) „ W. H. SUTCLIFFE,
 (11) „ R. WHIPP,
 (12) „

- (13) Mr. H. RUNCOR,
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 (15) „ J. OGDEN F,
 (16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been notice

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 29th day of June, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	..	4	..	4	1	1	1	2	..	..	..	17	1	Measles	1
..	..	2	..	..	..	..	..	..	..	..	..	7	8	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	1	..	..	..	..	..	1	1	..	..	18	4	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Croup .....	..
3	..	6	2	..	2	..	1	1	1	3	4	61	75	Diarrhœa .....	..
..	..	..	..	..	..	..	..	..	..	..	..	5	3	Dysentery .....	..
61	..	8	..	..	1	1	23	..	..	2	5	39	73	Continued Fever	3
..	..	..	..	..	..	..	..	..	..	1	..	4	7	Erysipelas .....	..
1	2	12	1	..	2	..	..	1	1	5	9	65	61	Rheumatism .....	..
..	..	5	..	..	..	..	..	..	..	..	..	21	21	Neuralgic Affections ..	..
..	..	7	1	..	..	..	..	1	..	3	2	49	35	Constitutional Syphilis	1
1	1	10	..	..	2	..	2	3	..	14	6	82	50	Phthisis	10
1	2	..	..	..	..	..	1	..	..	..	..	6	9	Insanity	1
3	..	37	2	2	4	2	1	10	..	8	14	182	110	Bronchitis, Influenza, and Catarrh.....	7
..	..	2	1	..	..	..	..	..	1	..	1	16	8	Pleurisy & Pneumonia.	2
..	5	16	..	2	..	..	1	2	..	6	7	86	50	Skin Disease.....	..
2	..	13	..	1	3	..	4	..	1	8	5	92	66	Dyspepsia .....	..
..	..	3	..	..	..	..	3	..	..	2	..	24	1	Atrophy and Anæmia..	1
10	3	87	2	7	4	3	5	47	6	40	53	729	528	Accidents and diseases not classified.....	29
22	13	213	9	16	19	7	22	68	11	92	106	1505	1111	.... TOTAL	55

ndebted for the annexed Returns

(17) Dr. T. M. JOHNSON,
(18) .. J. O. BRADBURY,
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
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wn from the weekly returns.

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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. John.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	3	..	..	..	..	1	..	..	1	..	5	..
Measles .....	..	2	..	1	..	..	2	..	1	2	..	8	8
Whooping-cough.....	..	..	..	..	..	..	..	..	..	..	..	3	6
Scarlatina	2	..	..	1	..	..	..	..	..	..	..	9	9
Diarrhoea	3	1	..	..	1	1	1	..	..	1	1	14	22
Fever .....	..	3	6	1	..	..	..	3	..	3	g1	61	54
Diseases of the Lungs	8	5	7	6	1	8	4	3	6	10	3	121	134
Other causes.....	a14	b13	17	d9	9	e4	12	e6	f11	21	5		
TOTAL NO. OF DEATHS.	27	27	30	18	11	13	20	9	18	38	10	221	235
TOTAL NO. OF BIRTHS.	46	38	26	16	20	30	24	21	38	84	28	371	383

a 4 Inquests. b 3 Inquests. c Typhus. d 1 English Cholera. e 2 Inquests. f 1 Inquest. g Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL.	DISEASE.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL
39	20	20	79	.....Small-pox.....	3	3	14	20
1	..	..	1	..... Chicken-pox	11	1	1	13
46	45	41	132	..... Measles	65	49	68	182
9	16	30	55	.....Scarlatina.....	37	49	25	111
2	3	3	8	..... Diphtheria	1	1	..	2
100	72	60	232	.... Whooping-cough	25	14	32	71
1	2	2	5	.....Croup.....	5	1	3	9
195	266	341	802	.....Diarrhoea.....	172	140	141	453
7	4	1	12	.....Dysentery.....	14	8	10	32
..	1	..	1	..... Cholera .....	..	..	..	..
20	11	23	54	.....Erysipelas.....	33	32	18	83
..	1	2	3	.... Puerperal Fever ....	..	..	..	..
7	..	..	7	..... Insanity	28	35	39	102
1260	797	643	2700	.. Bronchitis and Catarrh..	1382	886	857	3125
48	46	91	185	Pleurisy and Pneumonia ..	112	72	72	256
1	..	..	1	.....Carbuncle.....	..	..	..	..
4285	4910	4827	14022	{ Accidents, and all other Diseases. }	5822	4529	4827	15178
6021	6194	6084	18299	..... TOTAL	7710	5820	6107	19637

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Royton	2.404	10							
Wilmslow	2.044	13							
Old Trafford ..	1.950	9							
Eccles	1.788	15							
Penketh	1.732	11							
Castleton Moor	..	..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.360	30.390		30.389	30.366		
Highest.....			30.560	30.598		30.484	30.107		
Lowest			29.976	29.990		29.888	29.538		
Range			0.584	0.608		0.596	0.569		
Temperature.									
Adopted Mean			58.4	58.2		56.4	57.6		
Range for Week			25.2	35.0		32.4	34.7		
Daily Range.....			15.1	25.6		20.0	23.5		
Maximum in Shade			75.5	80.0		73.6	78.0		
Minimum in Shade			50.3	45.0		41.2	43.3		
Temperature of Dew Point			55.7	51.6		50.2	43.7		
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.891	GRS. 0.785	NO RETURN.	GRS. 0.798	GRS. 0.723	NO RETURN.	NO RETURN.
Prevailing Winds .....			.....	SW, W, NW		NW	NW		
Rain .....			.....	0.004		0.311	0.010		
Ozonometer.									
Moffat .....			....	0.00		....	....
Schonbein.....			....	0.00		4.85	3.20		

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JULY 6, 1867.

No. 362.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue satisfactory. In the week terminating on Saturday, the 6th inst., 1482 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1514 and 1505. The deaths among patients of the same class amounted to 54, or 1 death to every 27 cases.

With the advance of the season there is, as might be expected, an increase under Diarrhœa and Dysentery, the new cases rising from 66 to 92. The disease appears to be especially prevalent among young children, no fewer than 17 cases being attended by the medical officers of the Clinical Hospital.

The Continued Fever returns are still satisfactory, the seizures not exceeding 37, of which 16 are ascribed to Typhus; in the two previous returns the numbers were 48 and 39.

Bronchitis and kindred affections of the chest, though far less general than they were a fortnight ago, are still more frequently complained of than is usually the case at this season of the year.

Of 12 cases of Measles, recorded in the course of the week, 6 were seen in St. Philip's District, Hulme.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 223 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the numbers were 232 and 221.

There is a marked increase in the mortality from Diarrhœa, the deaths from this disease rising from 9 to 21.

In London, according to the last return of the Registrar General, the deaths were less by 169 than the estimated average.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61.9°; at the Royal Infirmary it was 55.5°; at Eccles 55.7; and at Old Trafford 57.1.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALM MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment D

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Scarlatina .....	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	..	6	3	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	2	..	1	2	3	9	9	..	11	..	..	1	4	17	..
Dysentery .....	..	1	..	..	..	..	1	..	..	2	..	..	..	..	..	..
Continued Fever.....	..	..	..	..	a1	b1	2	2	2	..	..	..	..	7	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	3	..	..	..	..	..	..
Rheumatism .....	..	..	1	1	..	..	2	10	..	17	1	2	1	..	4	..
Neuralgic Affections .....	..	..	2	..	..	..	2	..	1	5	..	1	..	..	7	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	..	10	..	..	..	..	8	..
Phthisis	1	..	..	2	..	..	3	3	..	21	1	2	4	2	3	..
Insanity .....	..	1	1	..	..	..	2	3	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	1	3	2	1	..	12	16	2	30	2	2	2	10	8	..
Pleurisy and Pneumonia....	..	1	..	..	..	1	2	4	..	7	..	..	..	..	1	..
Skin Diseases.....	1	..	..	1	..	1	3	15	..	13	..	..	..	4	17	..
Dyspepsia .....	..	2	1	..	..	3	6	7	1	19	..	..	..	1	13	..
Atrophy and Anæmia. ....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	3	..
Accidents and diseases not classified.....	7	5	5	10	..	8	35	69	55	223	5	3	8	49	16	..
TOTAL	16	13	15	17	4	17	82	147	62	361	9	10	17	83	101	20

a Removed to Workhouse. b Febricula. c Typhus

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCOR
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ R. WHIPP,	(15) „ J. OGDEN F
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 6th day of July, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.....			646...		508.		2650.....			Area in Statute Acres.		
70,967.				68,209. ..			44,850..		21739		24,448			Population in 1861.		
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.	DISEASES.		
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.										St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Chicken-pox .....	..
..	1	2	..	..	..	6	..	2	..	..	..	12	6	Measles	1
..	..	3	..	..	..	..	..	..	..	..	..	6	3	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	4	..	..	..	..	..	..	..	..	..	14	6	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	1	10	4	2	..	2	1	4	..	2	4	89	88	Diarrhoea	1	
..	..	..	..	..	..	..	..	..	..	..	..	3	7	Dysentery .....	..
b1	c2	8	..	..	..	..	d6	..	..	..	e6	37	68	Continued Fever	2
..	1	..	..	..	..	..	..	..	..	..	..	6	4	Erysipelas .....	..
2	..	11	1	..	..	1	1	..	..	1	6	63	69	Rheumatism .....	..
1	..	2	..	..	..	..	..	..	..	..	..	21	5	Neuralgic Affections ..	..
..	..	4	3	1	..	..	1	1	..	2	6	45	32	Constitutional Syphilis	..
4	..	8	..	2	..	..	1	2	..	8	3	69	41	Phthisis	7
..	..	..	..	..	..	..	..	..	..	..	..	5	9	Insanity .....	..
1	2	33	2	4	6	7	3	4	1	6	10	169	122	Bronchitis, Influenza, and Catarrh.....	4	
1	..	..	..	..	..	..	..	..	..	1	..	16	13	Pleurisy & Pneumonia.	2
..	2	13	1	..	2	..	1	..	..	3	17	95	58	Skin Disease.....	..
2	1	14	..	2	4	..	5	1	..	10	4	96	89	Dyspepsia .....	..
..	..	2	..	..	..	..	1	..	..	3	..	10	8	Atrophy and Anæmia..	4
5	9	91	2	5	7	1	9	16	6	40	66	725	629	Accidents and diseases not classified.....	32	
17	19	205	13	16	19	17	29	30	7	76	122	1482	1259	.... TOTAL	54

d Typhus removed to Workhouse.

debted for the annexed Returns.

- | | | |
|-------------------------|---------------------------|--------------------------|
| (17) Dr. T. M. JOHNSON, | (21) Mr. S. WOODCOCK, | (25) Mr. J. T. CALDWELL, |
| (18) .. | (22) Dr. ALEX. WILSON, | (26) „ J.V.L.WESTMACOTT, |
| (19) „ J. O. BRADBURY, | (23) Mr. H. M.WILLIAMSON. | (27) „E. W.W. MEYRICK, |
| (20)Dr. BRADDON, | (24) „ JOSEPH FOSTER, | (28) „ GEORGE CLEMENTS. |

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
yn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowci.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	1	2	..	..	3	2	..	..	2	..	9	4
Whooping-cough	1	1	1	1	..	2	1	..	1	..	1	9	2
Scarlatina	1	..	1	..	..	2	..	..	..	2	..	7	3
Diarrhoea	7	3	..	1	3	1	1	2	..	2	1	21	44
Fever	2	2	2	..	b1	..	..	..	..	..	..	7	15
Diseases of the Lungs	8	9	9	4	2	10	5	1	7	5	6	66	48
Other causes	a19	12	11	3	10	c4	d12	11	10	10	c7	109	137
TOTAL NO. OF DEATHS.	39	28	25	9	16	22	21	14	18	21	15	228	253
TOTAL NO. OF BIRTHS.	45	49	14	12	14	21	34	28	26	43	14	300	343

a 5 Inquests. b Typhus. c 1 Inquest. d 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL.	DISEASE.	5 Weeks ending 30th Mar.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	TOTAL
39	20	20	79	..... Small-pox	3	3	14	20
1	..	..	1	..... Chicken-pox	11	1	1	13
46	45	41	132	..... Measles	65	49	68	182
9	16	30	55	..... Scarlatina	37	49	25	111
2	3	3	8	..... Diphtheria	1	1	..	2
100	72	60	232	.... Whooping-cough	25	14	32	71
1	2	2	5	..... Croup	5	1	3	9
195	266	341	802	..... Diarrhoea	172	140	141	453
7	4	1	12	..... Dysentery	14	8	10	32
..	1	..	1	..... Cholera .....	..	..	..	..
20	11	23	54	..... Erysipelas	33	32	18	83
..	1	2	3	.... Puerperal Fever ....	..	..	..	..
7	..	..	7	..... Insanity	28	35	39	102
1260	797	643	2700	..... Bronchitis and Catarrh ..	1382	886	857	3125
48	46	91	185	Pleurisy and Pneumonia ..	112	72	72	256
1	..	..	1	..... Carbuncle .....	..	..	..	..
4285	4910	4827	14022	{ Accidents, and all other Diseases. }	5822	4529	4827	15178
6021	6194	6084	18299	..... TOTAL	7710	5820	6107	19637

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.			Wet Days.							
Royton	1.939	.....	13							
Old Trafford ..	1.591	.....	13							
Penketh	1.136	.....	9							
Wilmslow ....	....	.....	..				
Eccles .....	....	.....	..				
Castleton Moor	....	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.988	29.961	29.957	..	29.954	29.957	..
Highest.....				30.134	30.168	30.125	..	29.676	30.232	..
Lowest				29.654	29.690	29.687	..	29.210	29.774	..
Range				0.480	0.478	0.438	..	0.466	0.458	..
Temperature.										
Adopted Mean				55.5	57.1	55.7	NO RETURN.	54.7	57.7	NO RETURN.
Range for Week				22.5	33.8	31.9		32.7	36.1	
Daily Range.....				11.4	18.4	16.3		18.0	19.8	
Maximum in Shade				70.0	75.5	74.8		73.0	77.6	
Minimum in Shade				47.5	41.7	42.9		40.3	41.5	
Temperature of Dew Point				53.3	50.5	48.3	48.0	48.3		
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.		GRS.	GRS.	
Degree of Humidity (Saturation—1,000)				0.900	0.787	0.769		0.780	0.710	
Prevailing Winds .....				.....	SW,E	W,NW		SW	NW,NE	
Rain .....				.....	0.595	0.617		0.925	0.488	
Ozonometer.										
Moffat .....				....	0.00	2.00		....	....
Schonbein.....				....	0.00	....		3.80	4.86	

July 6, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, JULY 13, 1867.

No. 363.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 13th inst., 1481 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1505 and 1482. The deaths among patients of the same class amounted to 63, or 1 death to every 23 cases.

With the advance of the season there is, as might be anticipated, a marked increase under Diarrhœa, the new cases rising from 92 to 116. Seventeen of these cases were attended by the medical officers of St. Mary's Hospital.

Fever, under its various forms, is still declining; a fortnight ago there were 39 cases, last week only 34. Of these 34 cases only 4 are referred to as examples of Typhus.

Affections of the chest, likewise, though considerably less prevalent than they were, are far more general than in the corresponding period of last year.

The increase under Measles, to which attention was directed in several of our recent returns, is not maintained in this, the new cases not exceeding 8.

Small-Pox and Scarlet Fever have, at present, nearly disappeared from our list, only 1 solitary case being entered in each of the columns appropriated to these diseases.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 250 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the respective numbers were 221 and 228.

The most unfavourable feature in the mortality returns is the marked fatality of Diarrhœa; in our previous return only 7 deaths were assigned to this disorder,—in the present 38. Eight of these deaths occurred in the Ancoats District, and 7 in the Green-gate.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 60·0°; at the Royal Infirmary it was 61·8°; at Old Trafford 63·7; and at Eccles 63·4. We see from these returns that the weather in this part of the country was far warmer than in the neighbourhood of London. This is further shown by the highest day temperature in the shade which, at Greenwich, did not exceed 75·3, whereas at Old Trafford the thermometer in the shade rose to 86·6.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment in 1861.

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	7	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	4	1	..	1	2	9	13	..	18	..	..	..	17	6
Dysentery .....	..	1	..	..	..	..	1	..	..	..	..	..	..	2	..
Continued Fever.....	2	..	1	..	3	3	9	2	..	..	..	..	..	7	1
Erysipelas .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Rheumatism	1	2	2	1	1	2	9	14	2	12	..	3	2	..	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	8	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	9	..	8	1	..	..	..	5
Phthisis .....	..	2	..	1	..	..	3	6	..	15	1	..	3	..	3
Insanity	2	..	..	..	..	1	3	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh .....	..	3	2	1	3	4	13	10	1	28	..	..	..	16	10
Pleurisy and Pneumonia.....	..	..	..	1	..	..	1	4	2	4	2	..	..	..	2
Skin Diseases.....	1	..	..	..	..	2	3	15	..	11	..	..	..	6	12
Dyspepsia .....	..	..	..	..	..	..	..	11	..	29	..	..	..	2	13
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	8	..	..	..	..	7
Accidents and diseases not classified.....	16	2	10	4	1	11	44	56	54	221	2	7	8	54	19
TOTAL	23	14	16	8	9	27	97	147	59	362	6	10	13	111	85

a Febricula. b Typhus.

Medical Officers to whom the Association is indebted.

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ R. WHIPP,	(15) „ J. OGDEN,
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-medical relief to the workhouse, and are then reported twice over this fact has several times been not

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

week ending the 13th day of July, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477			646		508	2650			Area in Statute Acres.		
70,967				68,209			44,850		21739	24,448			Population in 1861.		
POOR LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	1	..	1	1	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	..	3	..	1	..	..	..	2	..	..	..	8	5	Measles .....	..
..	..	1	..	..	..	..	..	..	..	..	..	1	4	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	5	..	..	..	..	..	..	..	1	..	17	3	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
2	..	9	5	2	5	2	4	4	..	3	7	112	99	Diarrhoea	4
..	..	1	..	..	..	..	..	..	..	..	..	4	6	Dysentery .....	..
a1	b1	11	..	..	..	..	a1	b1	..	..	..	34	62	Continued Fever	5
..	..	..	..	..	..	..	..	..	..	2	1	5	5	Erysipelas .....	..
2	..	9	..	2	..	1	1	..	..	2	5	65	51	Rheumatism .....	..
..	..	3	..	..	..	..	..	..	..	..	..	15	21	Neuralgic Affections ..	..
..	..	5	4	..	..	..	..	..	..	1	1	37	28	Constitutional Syphilis	1
1	..	12	1	3	2	..	..	1	1	6	5	64	66	Phthisis	14
..	1	..	..	..	..	..	1	..	..	..	..	10	7	Insanity .....	..
3	..	29	1	2	6	..	1	5	..	7	11	145	96	Bronchitis, Influenza, and Catarrh.....	7
..	..	2	..	..	..	..	..	..	..	..	..	17	9	Pleurisy & Pneumonia.	1
..	2	15	..	..	..	..	..	..	..	1	8	75	82	Skin Disease.....	..
2	..	14	..	..	3	..	6	1	..	4	..	88	87	Dyspepsia .....	..
..	..	1	..	..	..	..	..	..	..	1	..	17	2	Atrophy and Anæmia..	1
15	9	98	3	11	8	3	7	25	5	43	63	766	626	Accidents and diseases not classified.....	28
26	13	218	14	21	24	6	21	39	6	72	101	1481	1261	.... TOTAL	63

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ E. W. W. MEYRICK,
(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
own from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. John.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	2	..	..	1	2	1	..	..	..	..	8	7
Whooping-cough.....	..	1	..	..	..	2	..	1	3	2	..	11	3
Scarlatina	1	1	1	..	1	..	..	..	..	..	1	5	4
Diarrhoea	8	4	2	4	4	7	5	..	1	3	..	38	52
Fever .....	..	1	..	..	..	..	61	..	61	1	..	4	17
Diseases of the Lungs	8	12	6	2	4	15	4	1	9	11	3	75	55
Other causes.....	14	16	8	9	5	7	12	3	15	11	9	109	115
TOTAL NO. OF DEATHS.	33	37	17	15	15	33	23	5	29	28	15	250	253
TOTAL NO. OF BIRTHS.	36	44	12	15	17	31	45	25	33	42	29	329	265

a 17 Inquests. b Typhus. c 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th April.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	TOTAL.	DISEASE.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	TOTAL
20	20	25	65	.....Small-pox.....	3	14	7	24
..	..	..	..	.....Chicken-pox.....	1	1	..	2
45	41	78	164	.....Measles.....	49	68	89	206
16	30	67	113	.....Scarlatina.....	49	25	33	107
3	3	5	11	.....Diphtheria.....	1	..	..	1
72	60	50	182	....Whooping-cough....	14	32	55	101
2	2	..	4	.....Croup.....	1	3	2	6
266	341	645	1252	.....Diarrhoea.....	140	141	226	507
4	1	3	8	.....Dysentery.....	8	10	20	38
1	..	..	1	.....Cholera.....	..	..	..	..
11	23	13	47	.....Erysipelas.....	32	18	25	75
1	2	1	4	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	35	39	50	124
797	643	691	2131	.....Bronchitis and Catarrh..	886	857	886	2629
46	91	46	183	.....Pleurisy and Pneumonia..	72	72	69	213
..	..	..	..	.....Carbuncle.....	..	..	..	..
4910	4827	5999	15736	.....Accidents, and all other Diseases. }	4529	4827	5717	15073
6194	6084	7623	19901	.....TOTAL.....	5820	6107	7179	19106

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JUNE.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	1.939	..... 13							
Old Trafford ..	1.591	..... 13							
Penketh	1.136	..... 9							
Wilmslow .....	.....	.....					
Eccles .....	.....	.....					
Castleton Moor	.....	.....					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.069	30.114	30.107		30.106	30.099	
Highest.....		Unreduced {	30.234	30.286	30.247		29.798	30.350	
Lowest			29.578	29.652	29.659		29.193	29.736	
Range			0.656	0.634	0.588		0.605	0.614	
Temperature.									
Adopted Mean			61.8	63.7	63.4		61.6	63.9	
Range for Week			34.4	44.6	42.6		39.0	46.3	
Daily Range.....			14.1	25.8	24.0		22.2	28.9	
Maximum in Shade			81.4	86.6	82.7		79.0	85.7	
Minimum in Shade			47.0	42.0	40.1		40.0	39.4	
Temperature of Dew Point			58.4	54.1	51.5		52.3	52.5	
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.		GRS.	GRS.	
Degree of Humidity (Saturation—1,000)			0.886	0.717	0.650	NO RETURN.	0.715	0.666	NO RETURN.
Prevailing Winds				E,SE	NW		NW	NW,SE	
Rain				0.050	0.665		1.720	0.631	
Ozonometer.									
Moffat .....			....	0.00	0.23		3.80	2.40	
Schonbein.....			....	0.00	....			

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JULY 20, 1867.

No. 364.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 20th inst., 1473 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1482 and 1481. The deaths among patients of the poorer class amounted to 54, or 1 death to every 27 cases.

With the advance of the season Diarrhœa is steadily gaining ground, the number of seizures for the three last weeks being 92, 116, and 151. A large proportion of these cases have been observed among young children, as is shown by the heavy returns of the Clinical Hospital and St. Mary's.

The cases of Continued Fever proved last week considerably more numerous than in the two previous weeks—54 instead of 37 and 34 cases being returned; 17 of these 54 cases are assigned to true Typhus.

Under Bronchitis and kindred affections of the chest there is a decided improvement, though these diseases are still considerably more prevalent than in the corresponding period of last year.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 238 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the respective numbers were 228 and 250.

Diarrhœa proved fatal to 53 persons; a fortnight ago only 7 deaths were assigned to this disease.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59.0°; at the Royal Infirmary it was 57.3°; at Old Trafford 56.3; and at Eccles 55.0.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645													
Population in 1861	,, ,, 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.						
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13
Small-pox .....	..	..	..	..	..	1	1	..	..	..	..	..	2	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	..	..	..	..	..
Scarlatina .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	1	..	..	..	..	..	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	7	4	3	1	4	7	26	20	..	13	..	..	6	16
Dysentery .....	..	..	..	..	..	1	1	..	..	3	..	..	..	..
Continued Fever.....	2	..	1	1	a1	b8	13	8	c2	..	..	c1	1	3
Erysipelas .....	..	..	..	..	..	..	..	4	..	..	..	..	..	1
Rheumatism	2	..	..	1	..	2	5	6	1	17	2	..	1	..
Neuralgic Affections	1	..	..	..	..	1	2	2	2	5	..	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	1	1	5	..	17	..	..	..	..
Phthisis	1	..	..	..	..	..	1	7	1	20	1	1	1	..
Insanity .....	..	..	1	..	..	1	2	6	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	2	3	..	..	4	14	11	2	25	1	1	1	11
Pleurisy and Pneumonia....	2	2	..	..	..	..	4	3	1	4	1	1	..	..
Skin Diseases.....	2	..	..	..	..	..	2	6	..	14	..	..	..	2
Dyspepsia	2	..	..	..	..	..	2	7	..	17	..	1	..	3
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Accidents and diseases not } classified.....	40	..	14	4	5	12	75	68	44	225	1	6	2	30
TOTAL	65	8	23	7	10	40	153	155	53	360	6	11	14	68

a Febricula, removed to Workhouse. b 5 Febricula. c Typhus. d Removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEF,
- (9) } Mr. W. J. TATTERSALL,

(10) } „ W. H. SUTCLIFFE,

(11) } „ R. WHLPP,

(12) }
- (13) Mr. H. RUNCOI

(14) Dr. WHITEHEA

(15) „ J OGDEN F

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-d medical relief to the workhouse, and are then reported twice over this fact has several times been noti

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.
 ck ending the 20th day of July, 1867.

SALFORD.				HULME.			CHORL- TON.		ARD- WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.....			646...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448.....			Population in 1861.		
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	3	1	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox .....	..
..	..	2	..	..	..	..	1	4	..	..	..	9	6	Measles .....	..
..	..	..	..	1	1	..	..	..	..	..	..	3	6	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	1	..	2	2	2	..	15	2	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
2	1	3	5	2	5	2	1	4	1	6	4	145	124	Diarrhoea	6
1	..	..	..	..	..	..	..	1	..	..	..	6	9	Dysentery .....	..
e2	e1	f6	..	..	1	d1	d4	g2	1	2	4	54	72	Continued Fever	1
1	..	..	..	..	..	..	..	..	..	..	..	6	5	Erysipelas	1
..	1	9	1	1	4	2	..	2	..	2	3	59	52	Rheumatism .....	..
..	..	2	..	..	..	..	..	..	..	1	..	18	18	Neuralgic Affections ..	1
2	..	2	1	..	..	..	..	..	..	1	2	32	36	Constitutional Syphilis	..
3	..	7	..	..	..	..	2	1	1	8	4	63	44	Phthisis	8
..	3	..	..	..	..	..	1	..	..	..	..	12	13	Insanity .....	..
2	..	20	2	2	3	4	..	9	2	10	7	135	120	Bronchitis, Influenza, and Catarrh.....	7
..	..	1	1	..	..	1	..	..	..	..	..	17	13	Pleurisy & Pneumonia.	1
1	3	22	1	..	2	..	..	1	..	2	16	83	83	Skin Disease.....	..
..	..	13	2	2	5	3	4	3	1	..	4	74	101	Dyspepsia .....	..
..	..	..	..	..	..	1	..	..	..	..	..	5	4	Atrophy and Anæmia..	..
8	5	111	3	6	3	1	5	34	5	42	45	734	657	Accidents and diseases not classified.....	27
22	14	200	16	14	24	16	18	63	13	76	89	1473	1368	.... TOTAL	54

1 Typhus and 1 Febricula. f 2 Typhoid. g 1 Removed to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,	(21) Mr. S. WOODCOCK,	(25) Mr. J. T. CALDWELL,
(18) „ J. O. BRADBURY,	(22) Dr. ALEX. WILSON,	(26) „ J.V.L.WESTMACOTT,
(19) „ „	(23) Mr. H. M.WILLIAMSON.	(27) „E. W.W. MEYRICK,
(20)Dr. BRADDON,	(24) „ JOSEPH FOSTER,	(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
 wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. John.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	1	1	1	1	1	1	1	1	1	1	7	3
Measles	2	3	1	1	1	1	1	1	1	1	1	10	2
Whooping-cough	1	1	1	1	1	1	1	1	1	1	1	3	4
Scarlatina	15	6	3	7	1	2	6	1	3	9	1	53	67
Diarrhoea	1	2	3	1	1	1	2	1	1	1	1	10	9
Fever	13	6	9	1	2	9	2	2	6	4	2	56	46
Diseases of the Lungs	8	8	10	6	12	7	12	5	7	18	6	99	140
Other causes													
TOTAL NO. OF DEATHS.	40	26	25	14	15	22	25	7	19	33	12	238	271
TOTAL NO. OF BIRTHS.	35	39	15	15	12	28	21	24	36	38	16	279	269

a 1 English Cholera and 2 Inquests.

b 1 Typhus and 1 Typhoid.

c 1 Inquest.

d Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th April.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	TOTAL.	DISEASE.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	TOTAL.
20	20	25	65	..... Small-pox	3	14	7	24
45	41	78	164	..... Chicken-pox	1	1	1	2
16	30	67	113	..... Measles	49	68	89	206
3	3	5	11	..... Scarlatina	49	25	33	107
72	60	50	182	..... Diphtheria	1	1	1	1
2	2	1	4	..... Whooping-cough	14	32	55	101
266	341	645	1252	..... Croup	1	3	2	6
4	1	3	8	..... Diarrhoea	140	141	226	507
1	1	1	1	..... Dysentery	8	10	20	38
11	23	13	47	..... Cholera	1	1	1	1
1	2	1	4	..... Erysipelas	32	18	25	75
797	643	691	2131	..... Puerperal Fever	1	1	1	1
46	91	46	183	..... Insanity	35	39	50	124
..	..	..	..	..... Bronchitis and Catarrh ..	886	857	886	2629
4910	4827	5999	15736	Pleurisy and Pneumonia ..	72	72	69	213
6194	6084	7623	19901	..... Carbuncle	1	1	1	1
				{ Accidents, and all other Diseases. }	4529	4827	5717	15073
				..... TOTAL	5820	6107	7179	19106

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JUNE.			Royal Infirmary, Dr. REED.		Old Trafford, G. V. VERNON, Esq.		Eccles, T. MACKERETH Esq.		Wilmslow, J. THOMPSON, Esq.		Royton, J. HEAP, Esq.		Penketh, Warrington. L. W. REYNOLDS Esq.		Castleton Moor, Rev. J. C. BATES.	
Inches.	Wet Days.															
Royton	1.939	13														
Old Trafford ..	1.591	13														
Penketh	1.136	9														
Wilmslow .....	..	..												
Eccles .....	..	..												
Castleton Moor	..	..												
Height of barometer cistern above sea level			130 ft.		123 ft		145 ft.		251 ft.		541 ft.		44 ft.		475 ft.	
Barometer.			INS.		INS.		INS.		INS.		INS.		INS.		INS.	
Mean @ 32° F., and reduced to sea level			29.519		29.553		29.554		29.548		29.548		29.552		29.552	
Highest			29.649		29.755		29.737		29.292		29.292		29.836		29.836	
Lowest			29.130		29.212		29.215		28.783		28.783		29.288		29.288	
Range			0.519		0.543		0.522		0.509		0.509		0.548		0.548	
Temperature.																
Adopted Mean			57.3		56.3		55.0		54.2		54.2		56.3		56.3	
Range for Week			16.8		18.5		20.3		20.0		20.0		23.8		23.8	
Daily Range			11.3		12.8		12.2		11.6		11.6		14.6		14.6	
Maximum in Shade			68.2		68.5		65.5		66.0		66.0		71.0		71.0	
Minimum in Shade			51.4		50.0		45.2		46.0		46.0		47.2		47.2	
Temperature of Dew Point			55.4		52.8		52.6		51.2		51.2		53.0		53.0	
Hygrometrical condition of the Atmosphere.			GRS.		GRS.		GRS.		GRS.		GRS.		GRS.		GRS.	
Degree of Humidity (Saturation—1,000)			0.930		0.882		0.918		0.895		0.895		0.872		0.872	
Prevailing Winds .....			..		S.W		W.NW		..		W		W		..	
Rain .....			..		3.192		3.716		..		3.980		3.359		..	
Ozonometer.																
Moffat .....			..		1.57		1.85		..		4.00		5.70		..	
Schonbein .....			..		1.43		..		..		..		..		..

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, JULY 27, 1867.

No. 365.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue satisfactory. In the week ending on Saturday, the 27th ultimo, 1498 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1481 and 1473. The deaths among patients of the poorer class amounted to 52, or 1 death to every 28 cases.

In our last summary attention was directed to the increasing prevalence of Diarrhœa. The returns under this column are still very heavy—the new cases rising from 151 to 173.

A slight improvement is observable under Bronchitis and kindred affections of the chest.

Of 22 cases of Whooping-cough recorded in this return 12 were attended by the medical officers of St. Mary's Hospital.

For several successive weeks Scarlet Fever has nearly disappeared out of the return. Last week only 2 cases were entered under this column.

Cases of Small-pox likewise are of singularly rare occurrence, not one case having been observed in the course of public practice.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 279 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the numbers were 250 and 238.

Sixty-two deaths are attributed to Diarrhœa. In the corresponding week of last year this return was still heavier.

In London, according to the last report of the Registrar General the deaths were less by 106 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59.2°; at Eccles it was 56.9°; and at Old Trafford 57.2°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	2	3	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	12	5	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	1	2	2	2	a4	..	11	7	..	17	2	..	1	24	24	..
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Continued Fever	a2	..	..	..	b2	c3	7	3	..	..	..	d2	e1	8	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	1	3	..	1	..	..	5	15	2	15	1	..	1	..	1	..
Neuralgic Affections .....	..	..	..	..	..	..	..	1	3	7	..	..	..	..	5	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	14	..	..	..	..	..	..
Phthisis .....	..	2	..	1	..	..	3	..	1	24	2	..	2	1	2	..
Insanity	1	..	..	..	..	..	1	4	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	2	..	..	1	6	10	2	..	27	..	3	1	17	6	..
Pleurisy and Pneumonia .....	..	..	..	..	1	..	1	2	1	..	..	..	1	..	1	..
Skin Diseases	1	..	..	..	..	..	1	16	..	6	..	..	..	6	11	..
Dyspepsia .....	..	3	..	..	1	..	4	14	..	18	..	..	..	4	8	..
Atrophy and Anæmia .....	..	..	..	..	..	..	..	..	..	7	..	..	..	..	9	..
Accidents and diseases not classified	9	4	12	7	2	10	44	90	48	197	3	2	6	38	13	..
TOTAL	18	16	14	11	11	19	89	164	55	332	8	7	13	112	89	31

a 1 Removed to Workhouse. b Removed to Workhouse. c Febricula. d 1 Typhus and 1 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCOR
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ R. WHIPP,	(15) „ J. OGDEN FIDELL,
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed.

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 27th day of July, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						
1,329				477.....			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448				Population in 1861.		
AW ICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.	
17	18	19	20	21	22	23	24	25	26	27	28					
..	Small-pox .....	..
..	1	..	..	..	..	..	2	1	Chicken-pox .....	..
..	2	..	..	1	2	..	..	..	11	8	Measles .....	..
..	2	..	..	..	..	..	..	2	7	Scarlatina .....	..
..	Diphtheria .....	..
1	1	2	..	..	1	..	..	..	22	2	Whooping-cough	1	
..	..	1	..	..	..	..	..	..	..	..	..	1	1	Croup .....	..
3	17	7	3	6	3	6	3	2	..	5	9	167	204	Diarrhoea	6	
..	..	2	..	..	..	..	2	..	..	..	..	6	8	Dysentery .....	..
..	1	5	..	..	..	..	..	2	1	1	3	34	68	Continued Fever	3
1	1	7	Erysipelas .....	..
..	..	5	..	..	..	..	..	..	..	..	9	56	56	Rheumatism .....	..
..	..	1	..	..	..	..	..	..	..	..	..	19	16	Neuralgic Affections ..	..
1	..	7	2	..	..	..	..	..	..	..	1	37	39	Constitutional Syphilis	1
1	..	10	..	3	3	..	..	..	..	7	2	62	45	Phthisis	12
..	2	..	..	..	..	..	..	..	7	16	Insanity .....	..
1	..	26	1	4	2	6	2	3	..	6	11	134	102	Bronchitis, Influenza, and Catarrh.....	6	
1	..	3	2	..	..	2	..	..	..	..	..	15	12	Pleurisy & Pneumonia.	2
1	..	21	2	..	..	..	2	..	..	..	10	79	66	Skin Disease.....	..
..	..	15	1	..	3	2	3	1	..	2	1	80	101	Dyspepsia .....	..
..	..	1	..	..	..	1	..	..	..	..	..	18	1	Atrophy and Anæmia..	1
11	8	103	1	13	3	6	6	26	3	38	77	745	621	Accidents and diseases not classified.....	20	
21	26	212	12	31	18	24	19	37	4	59	123	1498	1381	.... TOTAL	52

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) .. J. O. BRADBURY,
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRICK,
(28) .. GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corresponding week last year.
Small Pox .....	..	..	..	..	..	1	..	..	..	..	..	1	..
Measles .....	..	..	..	..	..	2	..	..	..	2	..	4	4
Whooping-cough.....	3	2	1	..	..	1	..	1	3	2	1	14	..
Scarlatina .....	..	..	1	..	..	..	..	..	..	2	..	3	4
Diarrhoea	18	6	4	3	..	6	8	2	3	9	3	62	93
Fever .....	..	..	..	..	..	..	..	1	1	..	1	3	14
Diseases of the Lungs	5	5	5	8	5	8	5	1	6	7	3	53	47
Other causes.....	14	22	20	2	8	8	9	8	15	21	7	134	140
TOTAL NO. OF DEATHS.	40	35	31	13	13	26	22	13	23	43	15	279	302
TOTAL NO. OF BIRTHS.	54	52	31	23	13	30	27	22	27	50	20	349	289

e Typhus.

Monthly Return of New Cases of Disease coming under Treatment

*At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.*
Population in 1861, 390,815.

4 Weeks ending 27th April.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	TOTAL.	DISEASE.	4 Weeks ending 27th April.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	TOTAL.
20	20	25	65	.....Small-pox.....	3	14	7	24
..	..	..	..	.....Chicken-pox.....	1	1	..	2
45	41	78	164	.....Measles.....	49	68	89	206
16	30	67	113	.....Scarlatina.....	49	25	33	107
3	3	5	11	.....Diphtheria.....	1	..	..	1
72	60	50	182	....Whooping-cough....	14	32	55	101
2	2	..	4	.....Croup.....	1	3	2	6
266	341	645	1252	.....Diarrhœa.....	140	141	226	507
4	1	3	8	.....Dysentery.....	8	10	20	38
1	..	..	1	.....Cholera.....	..	..	..	..
11	23	13	47	.....Erysipelas.....	32	18	25	75
1	2	1	4	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	35	39	50	124
797	643	691	2131	.Bronchitis and Catarrh..	886	857	886	2629
46	91	46	183	Pleurisy and Pneumonia..	72	72	69	213
..	..	..	..	.....Carbuncle.....	..	..	..	..
4910	4827	5999	15736	{ Accidents, and all other Diseases. }	4529	4827	5717	15073
6194	6084	7623	19901	..... TOTAL	5820	6107	7179	19106

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JUNE.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	1.939	13							
Old Trafford ..	1.591	13							
Penketh	1.136	9							
Wilmslow ....	.....	..					
Eccles .....	.....	..					
Castleton Moor ..	.....	..					
Height of barometer cistern above sea level			130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.740	29.718		29.713	29.713	29.727
Highest				30.024	29.999		29.550	30.102	29.632
Lowest				29.466	29.449		29.010	29.524	29.100
Range				0.558	0.550		0.540	0.578	0.532
Temperature.									
Adopted Mean				57.2	56.9		55.9	58.2	55.0
Range for Week				29.0	27.0		29.0	32.7	27.5
Daily Range				10.8	14.6		16.6	17.6	15.7
Maximum in Shade				74.0	71.5		70.0	75.8	69.5
Minimum in Shade				45.0	44.5		41.0	43.1	42.0
Temperature of Dew Point				49.9	47.9		51.0	50.0	49.3
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)				GRS. 0.764	GRS. 0.717		GRS. 0.859	GRS. 0.744	GRS. 0.813
Prevailing Winds				S, W	W, WSW		NE, SW	S, SW	SW, NE
Rain				0.447	0.333		0.615	0.487	0.765
Ozonometer.									
Moffat				3.43	2.14		....	....	....
Schonbein				3.00	....		4.20	4.90	....

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, AUGUST 3, 1867.

No. 366.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 3rd inst., 1504 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1473 and 1498. The deaths among patients of the same class amounted to 47,—1 death to every 32 cases. The rate of mortality indicated by these figures is considerably below the average.

It is satisfactory to observe that there is a decided decrease under Diarrhœa. The new cases of this disease are set down at 160. In the corresponding week of last year they were far more numerous, amounting to 394. A large proportion of the Diarrhœa cases were observed among children, as is shown by the heavy return of St. Mary's Hospital and the Children's Clinical Hospital.

Under Bronchitis and kindred affections of the chest there is a considerable increase, 193 instead of 149 cases being returned.

Fever under its various forms attacked 41 persons, or 7 more than in the previous week.

With the exception of Whooping-cough, of which 24 cases were observed, the zymotic diseases are by no means general.

Not a single case of Small-pox was recorded in the course of the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 245 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the return was considerably heavier, the total being set down at 279.

The deaths from Diarrhœa amounted to 57, and those from Diseases of the Lungs to 65.

In London, according to the last return of the Registrar General the deaths were less by 156 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 55.0°, or 7.3 below the average for the same week in fifty years: at the Royal Infirmary it was 54.2°; at Eccles 54.5; and at Old Trafford 54.6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		
	1	2	3	4	5	6		7	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	1	..	2	..
Scarlet Fever .....	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	6	3	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	3	1	1	3	2	2	12	4	..	13	..	1	..	30	15	..
Dysentery	1	..	1	..	..	..	2	..	1	..	..	..	..	2	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	3	..	..	..	..	..	1	..	..
Continued Fever.....	..	1	..	..	..	5	6	..	..	..	..	..	..	5	..	..
Typhus .....	..	..	3	..	..	..	3	..	1	..	..	2	..	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Febricula.....	..	..	3	..	1	..	4	2	..	..	2	..	..	..	..	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	2	1	1	..	4	..	2	19	..	..	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	2	3	..	2	3	11	10	1	39	1	5	1	16	4	..
Influenza .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia....	..	..	..	1	..	1	2	6	2	5	..	..	..	..	1	..
Phthisis .....	..	..	1	..	..	..	1	8	..	17	1	..	..	1	..	..
Constitutional Syphilis .....	..	..	1	..	..	..	1	14	..	16	..	..	..	1	5	..
All other Diseases	11	7	12	7	5	16	58	86	9	122	1	4	3	39	58	..
Accidents	2	..	1	1	..	2	6	6	50	104	..	2	..	..	2	..
TOTAL	19	11	28	14	11	29	112	139	68	335	5	14	5	101	90	1

Medical Officers to whom the Association are indebted for their services during the year 1861.

- | | | | |
|-----------------------|--------------------------|---------------------------|----------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. J. TATTERSALL, | (13) Mr. H. RUNCOLN, |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. E. RICHARDSON, | (14) Dr. WHITEHEAD, |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ T. HENRY PINDER, | (15) „ J. OGDEN F. |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) „ | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 3rd day of August, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477.....			646...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850.		21739	24,448			Population in 1861.		
PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox .....	..
..	..	2	..	..	1	..	1	..	..	..	..	9	5	Measles	1
..	..	1	..	2	2	..	..	..	..	..	..	7	11	Scarlet Fever.	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
1	..	3	..	..	..	..	1	..	..	..	10	24	2	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
6	19	11	5	..	2	7	1	6	..	3	8	151	381	Diarrhoea	7
..	..	2	..	..	..	..	..	1	..	1	..	9	13	Dysentery .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	2	..	..	..	..	1	2	..	..	..	9	9	Erysipelas .....	..
..	..	3	..	..	..	..	..	..	..	..	..	14	72	Continued Fever ....	..
1	1	2	..	..	..	1	..	..	..	..	..	11	..	Typhus	1
..	..	3	..	..	..	..	..	..	..	..	..	4	..	Enteric or Typhoid ..	1
..	..	1	..	..	..	..	..	2	..	1	..	12	..	Febricula .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..
..	1	..	..	1	2	2	..	2	..	1	..	34	58	Rheumatic Fever ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	1	29	1	1	3	4	3	9	..	2	12	165	112	Bronchitis & Catarrh	7
..	..	3	..	..	..	..	..	..	..	..	..	3		Influenza .....	..
1	1	2	1	1	..	1	1	..	..	..	1	25	13	Pleurisy & Pneumonia.	..
..	..	8	1	1	..	2	2	1	..	4	1	48	51	Phthisis	6
1	..	3	1	..	..	..	1	..	..	1	1	47	38	Constitutional Syphilis	..
19	14	59	5	7	3	2	7	19	5	7	93	637	736	All other diseases....	22
1	..	69	1	..	..	1	..	13	..	40	..	295		Accidents	1
35	37	203	15	12	13	20	18	55	5	60	126	1504	1552	.... TOTAL	47

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRICK,
(28) .. GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions
a from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipton.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	3	..	..	..	1	..	..	..	1	..	5	2
Measles .....	..	..	..	..	..	..	..	..	..	1	1	3	3
Whooping-cough.....	1	..	..	..	..	..	..	..	..	1	1	3	3
Scarlatina .....	..	..	..	..	..	..	..	..	1	2	2	5	6
Diarrhœa	9	8	2	3	6	5	6	1	4	9	4	57	101
Fever	1	2	2	1	..	1	..	..	..	9	2	18	17
Diseases of the Lungs	13	7	5	5	5	5	2	1	1	19	2	65	48
Other causes.....	10	7	20	3	6	9	21	4	7	..	5	92	141
TOTAL NO. OF DEATHS.	34	27	29	12	17	21	29	6	13	41	16	245	318
TOTAL NO. OF BIRTHS.	50	49	20	12	20	27	34	20	33	49	26	340	332

a 1 Inquest. b All Infantile. c Typhoid. d 2 Inquests. e 3 Infantile.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	.....Small-pox.....	14	7	4	25
..	..	..	..	.....Chicken-pox.....	1	..	3	4
41	78	106	225	.....Measles.....	68	89	40	197
30	67	62	159	.....Scarlatina.....	25	33	12	70
3	5	3	11	.....Diphtheria.....	..	..	..	..
60	50	50	160	....Whooping-cough....	32	55	68	155
2	..	1	3	.....Croup.....	3	2	1	6
341	645	1480	2466	.....Diarrhœa.....	141	226	513	880
1	3	3	7	.....Dysentery.....	10	20	19	49
..	..	2	2	.....Cholera.....	..	..	..	..
23	13	9	45	.....Erysipelas.....	18	25	18	61
2	1	1	4	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	39	50	34	123
643	691	509	1843	..Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
..	..	..	..	.....Carbuncle.....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	.....TOTAL.....	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.		Wet Days.								
Royton	7.240	.....	14							
Penketh	5.040	.....	16							
Old Trafford ..	4.284	.....	15							
Wilmslow ....	.....	.....	..				
Eccles .....	.....	.....	..				
Castleton Moor	.....	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.030	30.068	30.061	30.060	30.060	30.069	
Highest.....				30.086	30.050	30.043	29.594	29.594	30.157	
Lowest				29.981	29.980	29.961	29.500	29.500	30.055	
Range				0.105	0.070	0.082	0.094	0.094	0.102	
Temperature.										
Adopted Mean				54.2	54.6	54.5		53.6	55.6	
Range for Week				15.9	26.7	25.1		32.3	31.1	
Daily Range.....				12.7	19.5	19.4		21.6	22.4	
Maximum in Shade				64.4	71.5	67.4		72.0	71.6	
Minimum in Shade				48.5	44.8	42.3		39.7	40.5	
Temperature of Dew Point				52.0	48.7	46.7		47.7	48.5	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS. 0.921	GRS. 0.800	GRS. 0.745	NO RETURN.	GRS. 0.803	GRS. 0.772	NO RETURN.
Prevailing Winds .....				....	W	W,NW		NW	NW	
Rain .....				....	0.000	0.000		0.000	0.075	
Ozonometer.										
Moffat .....				....	0.00	0.71		....	....
Schonbein.....				....	0.00	....		2.60	3.70	

August, 3 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, AUGUST 10, 1867.

No. 367.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 10th inst., 1517 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1498 and 1504. The deaths among patients of the poorer class amounted to 56, or 1 death to every 27 cases.

It is satisfactory to find that a marked improvement is observable under Diarrhœa, the new cases falling from 160 to 125. In the corresponding week of last year they amounted to 486.

At the same time there is an increase under Continued Fever, 53 seizures being ascribed to the various forms of this disorder, 14 of these cases are assigned to true Typhus. In the two previous weeks the fever cases amounted respectively to 34 and 41.

With the exception of Whooping-cough, which appears to have attacked 22 children, the zymotic diseases generally are unusually mild—Scarlet Fever, Small-Pox, and Measles being only met with in sporadic cases.

Bronchitis and kindred affections of the chest are considerably more prevalent than they were a fortnight ago, the new cases rising from 149 to 194.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 239 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the mortality returns were considerably heavier, amounting respectively to 279 and 245—48 deaths are ascribed to Diarrhœa and 43 to Diseases of the Lungs.

In London, according to the last return of the Registrar General the deaths were less by 120 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 60·0°, or 2·0 below the average of the same week in fifty years: at the Royal Infirmary it was 57·3°; and at Eccles 56·9°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment during the Year 1861.

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		,, ,, 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..
Measles .....	..	2	..	..	..	..	2	..	..	..	..	..	..	1	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	4	5
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	2	1	1	..	3	9	..	..	18	..	1	2	15	17
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	1	1	..	..	3	1	..	..	..	..
Continued Fever.....	..	..	2	..	..	..	2	..	..	..	..	..	..	..	..
Typhus .....	..	..	..	..	..	1	1	6	..	..	..	1	1	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	1	2	..	..	..	1	..	..
Febricula.....	..	..	..	..	..	2	2	2	..	1	..	..	1	4	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	1	1	21	..	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	1	..	1	3	3	9	9	1	37	2	1	2	16	8
Influenza .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	7	..	5	1	..	1	..	..
Phthisis .....	..	..	..	1	1	..	2	2	2	19	..	2	2	1	1
Constitutional Syphilis .....	..	..	..	..	1	..	1	18	..	16	..	..	..	..	..
All other Diseases	12	4	14	3	3	11	47	108	14	86	3	6	10	58	44
Accidents	2	..	..	1	..	..	3	8	24	164	3	..	..	..	..
TOTAL	18	9	17	7	8	22	81	162	45	370	10	13	20	102	75

Medical Officers to whom the Association are indebted for their assistance.

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEF,
- (9) Mr. W. J. TATTERSALL,

(10) „ W. E. RICHARDSON,

(11) „ T. HENRY PINDER,

(12)
- (13) Mr. H. RUNCOCK,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN,

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 10th day of August, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477.....			646...		508.	2650.....					
70,967.				68,209. ..			44,850.		21739	24,448					
LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	4	..	Small-pox .....	..
1	..	1	..	1	..	..	4	2	..	..	..	12	20	Measles	1
..	..	1	..	..	..	..	..	..	..	..	..	3	5	Scarlet Fever. ....	..
..	Diphtheria .....	..
..	..	4	..	..	..	..	..	..	..	2	7	22	4	Whooping-cough	1
..	1	Croup .....	..
1	..	12	4	5	2	3	8	6	..	4	3	113	477	Diarrhœa	5
3	..	2	..	..	..	1	..	..	..	2	..	12	9	Dysentery	1
..	Malignant Cholera ..	..
..	..	2	..	..	..	..	..	1	..	..	..	8	8	Erysipelas .....	..
..	..	4	..	..	..	..	..	..	..	..	..	7	54	Continued Fever ....	..
2	2	1	..	..	..	..	..	..	..	..	..	14	..	Typhus	1
..	..	2	..	..	..	..	..	1	..	..	..	7	..	Enteric or Typhoid ..	..
1	..	2	..	..	..	..	4	4	..	2	..	25	..	Febricula .....	..
..	Ague .....	..
..	2	..	..	..	..	..	1	2	..	1	..	29	49	Rheumatic Fever ....	..
..	Puerperal Fever.....	..
3	1	26	1	2	4	7	..	8	..	6	13	166	91	Bronehitis & Catarrh	9
..	..	4	2	..	..	..	..	..	..	2	..	8		Influenza .....	..
..	..	2	1	..	..	..	..	..	..	1	1	20	9	Pleurisy & Pneumonia.	4
..	..	7	..	..	..	2	1	1	..	5	1	48	28	Phthisis	14
..	..	5	2	..	..	..	..	..	..	1	2	49	25	Constitutional Syphilis	1
8	9	76	2	7	5	6	14	23	5	2	85	652	744	All other diseases....	19
2	..	45	..	..	..	1	..	22	..	41	..	318		Accidents .....	..
31	14	196	12	15	11	21	32	70	5	69	112	1517	1524	TOTAL	56

debted for the annexe Returns

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRIOK,
(28) .. GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	2	1	1	1	3	1	1	1	1	1	9	4
Measles	1	2	1	1	1	1	1	1	1	1	1	7	2
Whooping-cough	1	1	1	1	1	1	1	1	1	1	1	5	7
Scarlatina	11	9	3	1	5	4	2	1	2	8	2	48	67
Diarrhoea	1	1	1	1	1	1	1	2	1	1	1	7	15
Fever	6	6	9	4	1	6	1	1	5	5	1	43	43
Diseases of the Lungs	6	6	9	4	1	6	1	1	5	5	1	43	43
Other causes	a 16	10	16	b 5	6	2	c 18	10	a 7	e 24	g 6	120	134
TOTAL NO. OF DEATHS.	34	31	30	12	14	17	20	15	16	39	11	239	275
TOTAL NO. OF BIRTHS.	32	35	16	19	13	21	20	21	32	57	23	290	278

a 6 Inquests. b 1 Inquest. c 4 Inquests. d Gastric. e 5 Inquests. f Typhus. g 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.
20	25	10	55	..... Small-pox	14	7	4	25
41	78	106	225	..... Chicken-pox	1	1	3	4
30	67	62	159	..... Measles	68	89	40	197
3	5	3	11	..... Scarlatina	25	33	12	70
60	50	50	160	..... Diphtheria	1	1	1	3
2	1	1	3	..... Whooping-cough	32	55	68	155
341	645	1480	2466	..... Croup	3	2	1	6
1	3	3	7	..... Diarrhoea	141	226	513	880
23	13	9	45	..... Dysentery	10	20	19	49
2	1	1	4	..... Cholera	1	1	1	3
643	691	509	1843	..... Erysipelas	18	25	18	61
91	46	26	163	..... Puerperal Fever	1	1	1	3
4827	5999	5144	15970	..... Insanity	39	50	34	123
6084	7623	7406	21113	..... Bronchitis and Catarrh	857	886	583	2326
				Pleurisy and Pneumonia ..	72	69	65	206
				..... Carbuncle	1	1	1	3
				{ Accidents, and all other Diseases. }	4827	5717	4574	15118
				..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY:			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	7.240	14							
Penketh	5.040	16							
Old Trafford ..	4.284	15							
Wilmslow	5.331	14							
Eccles	5.331	14							
Castleton Moor ..	5.331	14							
Height of barometer cistern above sea level	130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.		
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.		
Mean @ 32° F., and reduced to sea level	29.862	29.837	29.823	29.833	29.823	29.833	29.833		
Highest	30.098	30.077	30.077	30.077	30.077	30.077	30.077		
Lowest	29.550	29.551	29.551	29.551	29.551	29.551	29.551		
Range	0.548	0.526	0.526	0.526	0.526	0.526	0.526		
Temperature.									
Adopted Mean	57.3	56.9	56.9	56.9	56.9	56.9	56.9		
Range for Week	17.0	26.9	26.9	26.9	26.9	26.9	26.9		
Daily Range	11.5	17.6	17.6	17.6	17.6	17.6	17.6		
Maximum in Shade	66.7	71.8	71.8	71.8	71.8	71.8	71.8		
Minimum in Shade	49.7	44.9	44.9	44.9	44.9	44.9	44.9		
Temperature of Dew Point	54.1	51.1	51.1	51.1	51.1	51.1	51.1		
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.		
Degree of Humidity (Saturation—1,000)	0.891	0.811	0.811	0.811	0.811	0.811	0.811		
Prevailing Winds	W,NW	W,NW	W,NW	W,NW	W,NW	W,NW	W,NW		
Rain	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Ozonometer.									
Moffat	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Schonbein	3.70	3.70	3.70	3.70	3.70	3.70	3.70		

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, AUGUST 17, 1867.

No. 368.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The state of the public health continues satisfactory. In the week ending on Saturday, the 17th inst., 1431 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths among patients of the same class amounted to 45, or 1 death to every 32 cases.

Diarrhœa, though somewhat prevalent, especially among the young, is far less general than in the corresponding period of last year. In the second week in August, 1866, 447 new cases were returned—last week only 123; 20 of those cases were treated at St. Mary's Hospital and 17 at the Clinical Hospital.

Continued Fever under its various forms appears to be gaining ground. A fortnight ago only 41 cases were recorded, last week 58; 11 of those cases proved examples of Typhus and 9 of Typhoid Fever.

Under Bronchitis and kindred affections of the chest a marked improvement is observable—156 instead of 194 cases being returned.

With the exception of Whooping-cough, which attacked 23 children, the zymotic diseases proved singularly mild.

Not a single case of Small-Pox is entered in the return.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 223 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the returns were somewhat higher, amounting to 245 and 239.

Diarrhœa proved fatal to 43 persons and Diseases of the Lungs to 46.

In London, according to the last return of the Registrar General the deaths exceeded the estimated average by 54.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 66.1° , or 4.5 above the average of the same week in fifty years: at the Royal Infirmary it was 64.4° ; and at Eccles 63.4° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN		City Gaol 15
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox
Measles	1	1	3	..
Scarlet Fever	1	..	..	..	..	..	..	..
Diphtheria	1	..
Whooping-cough	1	1	..	..	2	..	..	..	5	4	..
Croup
Diarrhœa	6	1	2	1	1	4	15	7	..	7	2	1	..	20	17	..
Dysentery	2	..	..	..	..	1	3	..	..	3	..	..	..	1	..	..
Malignant Cholera
Erysipelas	3	..	..	..	..	..	..	..	..
Continued Fever	3	..	..	..	3	..	..	1	..	..	..	3	..	..
Typhus	4	1	..	..	2	1	..	..	..
Enteric or Typhoid	3	..	..	..	..	1	..	2	..
Febricula	2	1	..	1	4	..	..	1	..	1	..	..	1	..
Ague
Rheumatic Fever	3	1	12	..	2	..	..	..	..
Puerperal Fever
Bronchitis and Catarrh	1	..	2	1	3	7	10	1	29	1	1	2	11	5	3
Influenza	4	..	..	..	..	..	1
Pleurisy and Pneumonia	4	1	2	..	..	1	..	..	..
Phthisis	1	..	1	9	..	17	2	3	..	..	..	1
Constitutional Syphilis	18	..	12	..	..	..	..	3	2
All other Diseases	10	3	10	7	2	5	37	81	18	115	2	2	10	62	54	4
Accidents	2	..	..	2	..	1	5	8	29	125	..	..	..	..	1	..
TOTAL	20	5	17	13	5	16	76	150	52	330	7	12	16	103	91	17

Medical Officers to whom the Association are indebted for their services during the year 1861.

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN
(2) " J. BROADBENT,	(6) Dr. LEDWARD,	(10) " W. E. RICHARDSON,	(14) Dr. WHITEHEAD
(3) " EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) " T. HENRY PINDER,	(15) " J. OGDEN FL
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12)	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANTTARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 17th day of August, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477			646...		508.	2650.....						
70,967.				68,209. ..			44,850.		21739	24,448						
LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.		Poor Law District.	Ardwick & Ancoats Dispensary.		Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	Small-pox		
..	..	1	..	1	2	..	4	1	..	..	..	15	9	Measles	
..	..	5	..	..	3	1	..	..	..	..	..	10	11	Scarlet Fever.....	
..	1	..	Diphtheria		
..	..	2	..	..	..	1	1	..	..	..	7	23	4	Whooping-cough	
..	Croup		
3	..	9	3	1	..	7	..	6	..	3	3	112	435	Diarrhoea		
..	..	3	..	..	..	..	..	..	..	..	..	11	12	Dysentery	
..	Malignant Cholera ..		
..	1	2	..	..	..	..	..	..	..	..	..	7	6	Erysipelas	
..	1	4	..	..	..	1	..	..	..	..	..	14	68	Continued Fever	
..	..	3	..	..	..	..	..	..	..	..	..	11	..	Typhus	
..	..	2	..	..	..	1	..	..	..	..	..	9	..	Enteric or Typhoid ..	
1	..	3	..	..	..	..	1	9	..	1	..	24	..	Febricula	
..	Ague		
..	..	2	..	..	..	..	..	..	..	1	..	21	56	Rheumatic Fever	
..	Puerperal Fever.....		
2	..	26	..	4	4	4	..	5	..	7	10	133	124	Bronchitis & Catarrh		
..	..	3	2	10		..	Influenza	
..	..	4	..	..	..	..	..	1	..	..	..	13	11	Pleurisy & Pneumonia.	
1	..	10	..	2	2	..	..	2	..	4	6	61	53	Phthisis	
..	..	8	1	..	..	..	..	1	..	1	2	49	30	Constitutional Syphilis	
11	11	48	4	5	..	7	14	20	..	13	90	618	808	All other diseases....		
..	..	64	3	1	..	16	..	35	..	289		..	Accidents	
18	13	199	10	13	14	23	20	61	0	65	118	1431	1627	... TOTAL... ..		

debted for the annexe Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRICK,
(28) .. GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. John.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	2	..	1	1	..	..	1	2	..	8	3
Whooping-cough.....	1	4	..	..	..	2	..	1	..	2	..	10	2
Scarlatina	1	1	..	..	..	1	..	..	..	2	..	5	3
Diarrhœa	8	8	3	1	2	2	8	1	e3	4	3	43	50
Fever .....	..	1	a4	..	..	1	c1	..	f1	..	..	8	16
Diseases of the Lungs	6	4	4	5	1	6	3	..	5	10	2	46	50
Other causes.....	11	11	16	4	4	b11	b11	d8	7	13	7	103	109
TOTAL NO. OF DEATHS.	28	29	29	10	8	24	23	10	17	33	12	223	233
TOTAL NO. OF BIRTHS.	48	42	29	13	8	30	31	14	27	60	22	324	258

a 3 Typhus and 1 Scarlet. b 1 Inquest. c Typhus. d 2 Inquests. e Infantile. f Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	.....Small-pox.....	14	7	4	25
..	..	..	..	..... Chicken-pox	1	..	3	4
41	78	106	225	..... Measles	68	89	40	197
30	67	62	159	.....Scarlatina.....	25	33	12	70
3	5	3	11	..... Diphtheria .....	..	..	..	..
60	50	50	160	.... Whooping-cough	32	55	68	155
2	..	1	3	.....Croup.....	3	2	1	6
341	645	1480	2466	.....Diarrhœa.....	141	226	513	880
1	3	3	7	.....Dysentery.....	10	20	19	49
..	..	2	2	..... Cholera .....	..	..	..	..
23	13	9	45	.....Erysipelas.....	13	25	18	61
2	1	1	4	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	39	50	34	123
643	691	509	1843	. Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
..	..	..	..	..... Carbuncle .....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	7.240	..... 14							
Penketh	5.040	..... 16							
Old Trafford ..	4.284	..... 15							
Wilmslow .....	.....	..... ..					
Eccles	5.331	..... 14							
Castleton Moor .....	.....	..... ..					
Height of barometer cistern above sea level			130 ft.	123 ft	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.844		29.888		29.895	29.886	
Highest.....			30.124		30.115		29.670	30.204	
Lowest			29.582		29.563		29.098	29.622	
Range			0.542		0.552		0.572	0.582	
Temperature.									
Adopted Mean			64.4		63.4		63.6	64.2	
Range for Week			36.5		29.0		32.0	41.8	
Daily Range.....			16.0		15.7		16.9	19.7	
Maximum in Shade			86.5		82.3		84.0	89.0	
Minimum in Shade			50.0		53.3		52.0	47.2	
Temperature of Dew Point			61.3		54.3		54.0	55.2	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.897	NO RETURN.	GRS. 0.729	NO RETURN.	GRS. 0.711	GRS. 0.725	NO RETURN.
Prevailing Winds .....			....		W, WSW		SW	NW, SW	
Rain .....			....		0.415		0.634	0.292	
Ozonometer.									
Moffat .....			....		2.57		3.80	3.50	
Schonbein.....			....		....	

August 17, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, AUGUST 24, 1867.

No. 369.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 24th inst., 1642 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1517 and 1431. It will thus be seen that the hot weather, which has been so general of late, appears to have given rise to an increased amount of sickness. That this is so is evident from the heavy returns under Diarrhœa; a fortnight ago 125 new cases of this disease were recorded, in the following week 123, whereas last week the numbers rose to 236. A large proportion of the cases were observed among the young—41 patients having been attended by the medical officers of the St. Mary's Hospital, and 28 by those of the Clinical Hospital.

Under Continued Fever 58 cases are returned, 11 of which are ascribed to Typhus and 10 to Typhoid Fever. In the corresponding week of last year Fever was far more general.

Bronchitis and kindred affections of the chest are less common than they were a fortnight ago, the new cases falling from 194 to 163.

In certain quarters of the town, more especially in Chorlton, Whooping-Cough is pretty general, while Scarlet Fever and Small-Pox have nearly disappeared from the returns.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 254 deaths were registered in the eleven districts of the Sanitary Association, 31 more than in the previous week.

The increase is due to Diarrhœa, the deaths from this cause rising from 43 to 96. In Ancoats and Hulme the disease proved unusually fatal.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 63·7°, at Old Trafford it was 62·3°, at Eccles 61·5°, and at Penketh 63·9. The highest day temperature in the shade (81·1) was observed at Penketh.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment in 1861.

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	2	..	..	3	..	..	2	..	1	..	..	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	3	..	..	..	4	6
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	4	1	1	..	2	4	12	70	..	8	1	2	..	41	28
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Continued Fever.....	2	1	1	..	1	..	5	..	..	2	..	..	..	2	1
Typhus .....	..	..	..	..	..	..	..	5	1	..	..	..	..	..	1
Enteric or Typhoid .....	..	..	..	..	..	..	..	4	2	..	..	1	..	..	..
Febricula.....	..	..	..	1	..	2	3	..	1	..	..	1	..	3	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	1	..	1	..	..	2	2	2	14	2	1	1	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	2	3	1	3	..	4	13	12	..	29	..	2	2	16	5
Influenza .....	..	..	..	..	..	..	..	..	..	3	..	..	..	4	..
Pleurisy and Pneumonia.....	1	..	..	..	..	..	1	5	..	1	..	..	..	..	..
Phthisis .....	..	..	..	..	..	..	..	7	..	19	2	2	2	3	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	15	..	13	..	..	..	..	1
All other Diseases	8	1	7	7	5	13	41	104	20	127	5	5	10	84	49
Accidents .....	..	..	2	2	..	..	4	10	24	116	..	..	..	..	1
TOTAL	18	7	12	16	8	23	84	235	50	337	10	15	15	157	93

Medical Officers to whom the Association are indebted for their services.

- | | | | |
|-----------------------|--------------------------|---------------------------|--------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. J. TATTERSALL, | (13) Mr. H. RUNO. |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. E. RICHARDSON, | (14) Dr. WHITEH. |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ T. HENRY PINDER, | (15) „ J. OGDEN. |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) „ | (16) Mr. J. TEALE. |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 24th day of August, 1867.

SALFORD.					HULME.			CHORLTON.	ARDWICK	PENDLETON AND PENDLEBURY.						
... 1,329 .....					... 477 .....			... 646 ...	508.	... 2650					Area in Statute Acres.	
... 70,967 .....					... 68,209 ...			... 44,850 ...	21739	... 24,448					Population in 1861.	
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
6	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	Small-pox .....	..
..	..	..	2	..	..	..	..	2	..	..	..	..	10	26	Measles	1
1	..	..	2	..	..	..	2	..	..	..	..	..	5	14	Scarlet Fever.....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	1	2	..	..	6	22	2	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	6	1	14	5	7	6	8	5	7	1	2	5	234	420	Diarrhoea	14
..	1	..	1	..	..	..	..	..	..	..	..	..	2	3	Dysentery .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	1	..	..	..	1	..	..	..	3	7	Erysipelas .....	..
..	..	..	4	..	..	2	..	..	..	..	1	..	17	95	Continued Fever ....	..
1	..	..	..	..	..	..	..	..	..	..	..	3	11		Typhus	1
1	..	1	1	..	..	..	..	..	..	..	..	1	11		Enteric or Typhoid ..	1
..	1	..	1	..	..	..	..	3	4	..	..	..	19		Febricula .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..
..	..	..	..	..	..	..	3	..	..	..	2	..	29	68	Rheumatic Fever ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
1	3	..	26	..	1	3	2	..	5	4	3	11	141	117	Bronchitis & Catarrh	3
..	..	..	2	..	..	..	..	..	..	..	..	..	9		Influenza .....	..
..	..	..	3	..	..	..	1	..	1	..	..	1	13	..	Pleurisy & Pneumonia.	1
1	1	..	8	..	1	..	1	4	1	..	2	4	60	52	Phthisis	7
..	..	..	4	1	..	..	1	..	..	..	..	2	39	49	Constitutional Syphilis	..
2	18	13	83	5	7	3	7	11	18	4	15	105	750	866	All other diseases....	16
..	..	..	58	..	2	..	..	1	25	..	25	..	266		Accidents	2
18	30	15	209	11	19	14	25	25	67	9	50	138	1642	1719	.... TOTAL	47

is indebted for the annexe Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. E. W. W. MEYRICK,
(28) .. GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	1	1	..	..	2	..	..	..	..	..	5	7
Whooping-cough.....	1	1	1	..	..	1	..	..	..	2	..	6	3
Scarlatina	1	1	1	..	..	..	..	..	2	2	..	7	7
Diarrhoea	20	14	3	4	8	5	10	7	2	19	4	96	38
Fever	1	..	3	..	1	..	..	..	..	..	..	5	18
Diseases of the Lungs	3	6	..	3	2	7	3	3	2	10	3	42	50
Other causes.....	14	11	16	2	7	a5	a6	b10	3	14	5	93	108
TOTAL NO. OF DEATHS.	42	33	25	9	18	20	19	20	9	47	12	254	231
TOTAL NO. OF BIRTHS.	40	40	13	21	13	35	23	16	31	62	37	331	315

a 1 Inquest. b 4 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	..... Small-pox.....	14	7	4	25
..	..	..	..	..... Chicken-pox	1	..	3	4
41	78	106	225	..... Measles	68	89	40	197
30	67	62	159	..... Scarlatina.....	25	33	12	70
3	5	3	11	..... Diphtheria.....	..	..	..	..
60	50	50	160	.... Whooping-cough	32	55	68	155
2	..	1	3	..... Croup.....	3	2	1	6
341	645	1480	2466	..... Diarrhoea	141	226	513	880
1	3	3	7	..... Dysentery.....	10	20	19	49
..	..	2	2	..... Cholera .....	..	..	..	..
23	13	9	45	..... Erysipelas.....	18	25	18	61
2	1	1	4	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	39	50	34	123
643	691	509	1843	.. Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
..	..	..	..	..... Carbuncle.....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
	Inches.	Wet Days.							
Royton	7.240	14							
Penketh	5.040	16							
Old Trafford ..	4.284	15							
Wilmslow ....	.....	..					
Eccles	5.331	14							
Castleton Moor .....	.....	..					
Height of barometer cistern above sea level			NO RETURN.	NO RETURN.	NO RETURN.	NO RETURN.	NO RETURN.	NO RETURN.	NO RETURN.
Barometer.									
Mean @ 32° F., and reduced to sea level									
Highest..... } Unreduced {									
Lowest									
Range									
Temperature.									
Adopted Mean									
Range for Week									
Daily Range.....									
Maximum in Shade									
Minimum in Shade									
Temperature of Dew Point									
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)									
Prevailing Winds									
Rain									
Ozonometer.									
Moffat									
Schonbein									

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, AUGUST 31, 1867.

No. 370.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 31st inst., 1633 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1431 and 1642. The deaths among patients of the poorer class amounted to 62, or 1 death to every 26 cases.

In the course of the last fortnight there is a marked increase under Diarrhoea, the new cases rising from 123 to 264. A large proportion of the sufferers were young children; hence the applications at Hospitals devoted to the young were unusually numerous,—the return from St. Mary's Hospital recording 47 cases, and that from the Clinical Hospital 38.

Continued Fever under its various forms does not appear to be advancing, the returns for the three last weeks being 58, 58, and 56. Of these 56 cases 7 are assigned to Typhus Fever and 8 to Typhoid.

In certain quarters of the town Whooping-cough appears to be gaining ground, the new cases rising from 22 to 32.

Bronchitis and kindred affections of the chest are by no means prevalent, while the exanthematous fevers are only met with in scattered cases.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 275 deaths were registered in the eleven districts of the Sanitary Association; in the two previous weeks the returns were considerably lighter, the numbers being 223 and 254.

The high rate of mortality at the present time is mainly due to Diarrhoea, no fewer than 99 persons falling victims to the disease. In the corresponding week of last year the deaths from this cause did not exceed 41.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61.7° , or 1.8° above the average of the same week in fifty years; at the Royal Infirmary it was 60.1° , at Old Trafford 59.7° , and at Eccles 59.1° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment I

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	2	1	..	1
Scarlet Fever .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	1	1	..	..	1	..	..	..	5	12
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	5	3	1	1	3	4	17	50	..	15	2	..	2	47	38
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Continued Fever.....	2	..	..	..	1	..	3	..	..	..	..	..	..	..	..
Typhus .....	..	..	1	..	..	..	1	2	..	..	..	..	1	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	3	..	..	..	1	1	..	..
Febricula.....	..	..	..	..	..	2	2	..	..	..	2	..	..	11	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	1	..	1	2	1	15	..	..	1	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh .....	..	..	1	1	..	1	3	16	1	31	..	..	3	22	3
Influenza .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	6	..	5	..	..	..	..	2
Phthisis .....	..	..	3	2	..	1	6	9	1	17	1	..	..	1	1
Constitutional Syphilis .....	..	..	..	1	..	..	1	8	..	10	..	..	..	..	..
All other Diseases	13	4	..	3	3	13	36	87	26	127	1	5	8	35	59
Accidents	1	..	11	1	..	..	13	9	12	141	..	1	1	..	1
TOTAL	23	7	17	9	9	22	87	194	41	362	6	9	18	121	117

a Removed to Workhouse.

Medical Officers to whom the Associatio

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) } Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCOI
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) } „ W. E. RICHARDSON,	(14) Dr. WHITEHEA
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) } „ T. HENRY PINDER,	(15) „ J. OGDEN F
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) }	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over, this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 31st day of August, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ..			44,850..		21739	24,448				Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	1	Small-pox .....	..
..	..	1	..	1	..	..	1	5	..	..	..	13	8	Measles	1
..	..	3	..	..	..	1	1	..	..	..	..	7	9	Scarlet Fever.....	..
..	Diphtheria .....	..
..	..	4	..	..	..	2	5	..	..	..	2	32	2	Whooping-cough ....	..
..	1	Croup .....	..
7	1	14	6	3	8	8	8	7	3	7	14	262	83	Diarrhoea	11	
..	..	2	..	..	..	..	..	..	..	..	..	2	3	Dysentery .....	..
..	Malignant Cholera ..	..
..	..	2	..	..	..	..	1	..	..	..	..	6	3	Erysipelas .....	..
..	..	5	..	..	2	..	..	..	1	..	..	11	70	Continued Fever ....	..
..	..	2	..	..	..	..	..	..	..	..	1	7		Typhus	1
..	1	1	..	..	..	1	..	..	..	..	..	8		Enteric or Typhoid ..	3
1	..	4	..	..	..	1	2	3	..	1	1	30		Febricula .....	..
..	Ague .....	..
..	..	3	..	1	..	..	..	..	..	2	..	26	61	Rheumatic Fever ....	..
..	Puerperal Fever.....	..	
4	..	24	1	1	2	3	4	1	..	2	13	139	102	Bronchitis & Catarrh	7	
..	..	2	..	..	..	..	..	..	..	..	..	3		Influenza .....	..
..	..	5	..	1	..	..	..	1	..	..	1	22	14	Pleurisy & Pneumonia.	..
4	2	11	..	2	..	1	4	1	..	1	2	67	49	Phthisis	13	
..	..	7	1	1	..	..	..	..	..	..	10	40	32	Constitutional Syphilis	1
14	18	69	2	8	6	14	10	16	4	11	98	668	911	All other diseases....	21	
3	..	62	1	..	..	1	..	17	..	27	..	290		Accidents	4
33	22	221	11	18	18	32	36	51	8	51	142	1633	2097	TOTAL	62	

ndeighted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. JOHN BOTT,
(28) .. GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
yn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. John.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	..	..	..	1	..	..	2	1
Measles .....	..	1	1	..	..	..	..	1	1	1	..	5	1
Whooping-cough.....	..	2	..	..	..	..	1	..	..	2	..	7	7
Scarlatina.....	21	13	3	6	6	10	8	2	8	20	2	99	41
Diarrhoea .....	..	1	..	1	..	3	62	1	..	e2	..	10	23
Fever	6	7	5	7	2	..	3	1	7	7	2	47	45
Diseases of the Lungs	12	a16	12	4	5	9	e16	4	d4	15	8	105	83
Other causes.....													
TOTAL NO. OF DEATHS.	41	41	21	18	13	22	30	9	21	47	12	275	201
TOTAL NO. OF BIRTHS.	53	44	10	7	22	51	48	18	24	69	16	362	318

a 2 Inquests. b Typhöid. c 3 Inquests. d 1 Inquest. e 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	.....Small-pox.....	14	7	4	25
..	..	..	..	.....Chicken-pox.....	1	..	3	4
41	78	106	225	.....Measles.....	68	89	40	197
30	67	62	159	.....Scarlatina.....	25	33	12	70
3	5	3	11	.....Diphtheria.....	32	55	68	155
60	50	50	160	....Whooping-cough....	3	2	1	6
2	..	1	3	.....Croup.....	141	226	513	880
341	645	1480	2466	.....Diarrhoea.....	10	20	19	49
1	3	3	7	.....Dysentery.....	..	..	..	..
..	..	2	2	.....Cholera.....	18	25	18	61
23	13	9	45	.....Erysipelas.....	39	50	34	123
2	1	1	4	....Puerperal Fever....	857	886	583	2326
..	..	..	..	.....Insanity.....	72	69	65	206
643	691	509	1843	..Bronchitis and Catarrh..	..	..	..	..
91	46	26	163	Pleurisy and Pneumonia..	4827	5717	4574	15118
..	..	..	..	.....Carbuncle.....				
4827	5999	5144	15970	{ Accidents, and all other Diseases. }				
6084	7623	7406	21113	.....TOTAL.....	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.									
Royton	1.960	16								
Old Trafford ..	1.410	16								
Penketh	1.348	13								
Wilmslow	1.166	14								
Eccles .....	..	..						
Castleton Moor	..	..						
Height of barometer cistern above sea level				130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.002	30.008	29.999	30.004	29.994	29.998	
Highest.....				30.084	30.080	30.073	29.990	29.622	30.178	
Lowest.....				29.840	29.856	29.857	29.752	29.409	29.946	
Range				0.244	0.224	0.216	0.238	0.213	0.232	
Temperature.										
Adopted Mean				60.1	59.7	59.1	58.5	58.3	61.5	
Range for Week				22.2	31.3	28.2	30.4	34.2	33.6	
Daily Range.....				12.7	19.3	17.7	15.6	19.8	22.2	
Maximum in Shade				73.0	76.3	71.9	70.4	74.6	78.5	
Minimum in Shade				50.8	45.0	43.7	40.0	40.4	44.9	
Temperature of Dew Point				56.5	53.9	53.3	52.4	51.5	54.1	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
				0.868	0.821	0.815	0.800	0.784	0.767	
Prevailing Winds .....				..	S	W,NW	S,SW	SW	S,SW	
Rain .....				..	0.268	0.289	0.249	0.163	0.353	
Ozonometer.										
Moffat .....				..	4.00	0.85	0.00	..	..
Schonbein .....				..	2.28	..	4.28	3.80	3.60	

NO RETURN.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, SEPTEMBER 7, 1867. No. 371.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 7th inst., 1622 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1642 and 1633. At the same time the deaths among patients of the poorer class amounted to 53, being in the proportion of 1 death to every 30 cases.

It is satisfactory to find a marked improvement under Diarrhœa; in the previous return 264 cases were recorded, in this 212. The disease still appears very general among the young, the applications at St. Mary's Hospital being very numerous.

Continued Fever, under its various forms, appears to be on the increase, the new cases rising from 56 to 67.

Bronchitis and kindred affections of the respiratory organs are decidedly less prevalent than they were.

In certain quarters of the town Whooping-cough is still very generally met with, while cases of Measles are by no means uncommon.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 307 deaths were registered in the eleven districts of the Sanitary Association, being an increase of 32 on the already heavy returns of the previous week.

No fewer than 94 of these deaths were due to Diarrhœa. The disease proved very fatal in Ancoats and Hulme.

In London, according to the last return of the Registrar General, the deaths exceeded to some slight extent the estimated average.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 63·2°, or 4 9° above the average; at the Royal Infirmary it was 61·0°, at Old Trafford 62·1°, and at Eccles 60·7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN		City Gaol 15
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	1	..	..	1	..	1	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	2	..	..	..	10	7	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	5	5	2	..	2	2	16	24	..	11	..	1	2	30	27	..
Dysentery .....	..	1	2	..	..	..	3	..	..	..	..	..	..	..	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	1	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..
Continued Fever	2	..	1	..	a3	..	6	..	..	..	..	..	..	..	1	..
Typhus .....	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	3	1	..	..	1	1	..	..	..
Febricula .....	..	..	..	..	..	1	1	..	1	3	..	1	..	6	..	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	..	2	14	1	..	1	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	3	2	..	5	1	3	14	17	1	29	..	..	2	12	6	..
Influenza .....	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..
Pleurisy and Pneumonia .....	..	..	..	..	..	..	..	4	..	..	1	..	..	..	1	..
Phthisis	1	..	..	..	..	..	1	9	1	18	5	2	2	1	1	..
Constitutional Syphilis .....	..	1	..	..	..	..	1	18	..	9	..	1	..	..	1	..
All other Diseases	18	7	8	4	4	17	58	105	29	138	..	2	11	47	53	..
Accidents .....	..	..	..	2	..	..	2	4	21	144	..	1	2	..	..	..
TOTAL	30	16	13	11	10	25	105	187	57	374	7	9	24	106	98	20

a 2 Removed to Workhouse. b Removed to Workhouse.

Medical Officers to whom the Association are indebted for their services.

- (1) Mr. R. M. MANN.

(2) " J. BROADBENT,

(3) " EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REED,
- (9) Mr. W. J. TATTERSALL,

(10) " W. E. RICHARDSON,

(11) " T. HENRY PINDER,

(12) " " " "
- (13) Mr. H. RUNCORN,

(14) Dr. WHITEHEAD,

(15) " J. OGDEN FLEMING,

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 7th day of September, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.	
1,329				477			646...		508.	2650.....				Area in Statute Acres.			
70,967.				68,209. ..			44,850..		21739	24,448				Population in 1861.			
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS													
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.			
17	18	19	20	21	22	23	24	25	26	27	28						
..	..	1	..	..	1	..	..	..	..	..	..	2	..	Small-pox .....	..	
..	..	1	..	2	1	..	2	1	..	..	..	12	3	Measles	1
..	..	..	..	..	2	..	..	..	..	..	..	3	14	Scarlet Fever.....	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..	
..	1	1	..	1	..	1	..	3	..	..	1	27	3	Whooping-cough	2
..	..	..	..	1	..	..	..	..	..	..	..	1	..	Croup .....	..	
7	1	15	4	3	6	2	3	14	5	6	19	205	718	Diarrhoea	5		
..	..	..	..	..	..	..	2	1	..	..	..	7	..	Dysentery .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..	
..	..	..	..	..	..	..	..	..	..	..	..	3	8	Erysipelas .....	..	
..	..	5	..	..	2	..	..	..	1	..	..	16	109	Continued Fever	1
..	2	1	..	61	..	..	..	..	..	..	5	13		Typhus	1
..	..	3	..	61	..	..	..	..	..	..	..	10		Enteric or Typhoid ..	..	
..	..	1	..	..	..	1	3	5	..	2	1	28		Febricula .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..	
..	..	..	1	1	..	..	1	..	..	2	..	23	84	Rheumatic Fever ....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
2	1	24	..	4	3	..	4	6	1	4	11	145	140	Bronchitis & Catarrh	4		
..	..	2	1	..	..	..	..	..	..	..	..	7		Influenza .....	..	
..	..	3	1	1	..	..	..	2	..	..	..	13	10	Pleurisy & Pneumonia.	1
1	..	7	..	1	..	..	1	2	..	2	5	60	58	Phthisis	11
..	..	2	..	..	..	..	..	..	..	..	9	43	39	Constitutional Syphilis	1
18	12	82	2	8	2	4	14	20	4	12	94	731	898	All other diseases....	23		
..	..	61	..	..	1	1	2	9	..	24	..	273		Accidents	2
28	17	209	9	24	18	9	32	63	11	52	145	1622	2084	TOTAL	53		

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) ..
 (19) ,, J. O. BRADBURY,
 (20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
 (26) ,, J. V. L. WESTMACOTT,
 (27) ,, CHARLES OGDEN,
 (28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
 n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	..	..	..	..	..	..	1	..
Measles .....	..	1	..	1	1	..	..	..	..	1	..	4	4
Whooping-cough.....	2	1	1	..	..	..	1	1	2	1	..	9	2
Scarlatina .....	..	..	1	..	1	..	..	..	2	2	1	7	7
Diarrhoea	14	8	2	10	8	11	7	4	8	16	6	94	50
Fever	1	2	1	..	1	..	2	1	1	1	..	10	15
Diseases of the Lungs	5	7	4	4	3	4	1	4	4	9	2	47	39
Other causes.....	26	17	18	5	7	11	13	4	4	23	7	135	118
TOTAL NO. OF DEATHS.	48	37	27	20	21	26	24	14	21	53	16	307	235
TOTAL NO. OF BIRTHS.	47	38	20	16	23	21	20	17	34	67	26	329	281

a 2 Inquests. *b* All under 5 years. *c* Typhoid. *d* 10 Under 2 years. *e* 1 Typhoid and 1 Remittent.
f 7 Children. *g* Gastric. *h* 3 Inquests. *i* 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

*In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.*

*At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.*
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.
20	25	10	55	.....Small-pox.....	14	7	4	25
..	..	..	..	..... Chicken-pox	1	..	3	4
41	78	106	225	..... Measles	68	89	40	197
30	67	62	159	.....Scarlatina.....	25	33	12	70
3	5	3	11	..... Diphtheria .....	..	..	..	..
60	50	50	160	.... Whooping-cough	32	55	68	155
2	..	1	3	.....Croup.....	3	2	1	6
341	645	1480	2466	.....Diarrhœa.....	141	226	513	880
1	3	3	7	.....Dysentery.....	10	20	19	49
..	..	2	2	..... Cholera .....	..	..	..	..
23	13	9	45	.....Erysipelas.....	18	25	18	61
2	1	1	4	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	39	50	34	123
643	691	509	1843	..Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
..	..	..	..	.....Carbuncle.....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, REV. J.C. BATES.
	Inches.	Wet Days.								
Royton	1.960	.....	16							
Old Trafford ..	1.410	.....	16							
Penketh	1.348	.....	13							
Wilmslow	1.166	.....	14							
Eccles .....	....	.....	..				
Castleton Moor ....	.....	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.832	29.846	29.841	29.842	29.832	29.831	
Highest.....				30.092	30.099	30.089	29.998	29.624	30.170	
Lowest				29.566	29.540	29.553	29.462	29.090	29.620	
Range				0.526	0.559	0.536	0.536	0.534	0.550	
Temperature.										
Adopted Mean				61.0	62.1	60.7	60.8	59.3	62.1	
Range for Week				22.4	24.4	27.4	23.1	24.8	29.1	
Daily Range.....				14.4	15.4	13.8	12.5	16.6	17.2	
Maximum in Shade				73.0	76.6	78.5	73.8	70.0	79.7	
Minimum in Shade				50.6	52.4	51.1	50.7	45.2	50.6	
Temperature of Dew Point				57.3	56.5	54.9	55.7	55.0	55.5	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS. 0.875	GRS. 0.821	GRS. 0.821	GRS. 0.833	GRS. 0.875	GRS. 0.791	
Prevailing Winds .....				....	SW,S,NE	E,SE	SE,SW	SW	S,NE	
Rain .....				....	1.382	1.799	1.250	1.392	0.765	
Ozonometer.										
Moffat .....				....	4.28	1.43	0.00	....	....
Schonbein .....				....	1.28	....	4.57	3.60	4.64	

ERRATUM.—The lowest reading of the Barometer at Eccles, for the week ending August 24th, should be 29·711 instead of 29·943.

September 7, 1867.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, SEPTEMBER 14, 1867.

No. 372.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue to be unsatisfactory. In the week terminating on Saturday, the 14th inst., 1615 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1633 and 1622. The deaths at the same time among patients of the poorer class were very numerous, amounting to 71, being in the proportion of 1 death to every 23 cases.

The Diarrhoea cases still continue far too common, no fewer than 232 persons having experienced attacks of this affection—a considerable increase on the already heavy returns of the previous week.

Of 63 cases of Continued Fever observed in public practice, only 10 proved examples of true Typhus.

In some quarters of the town Whooping-cough appears to be still pretty general, though Bronchitis and kindred affections of the respiratory organs are less frequently met with than in the two previous weeks.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The deaths in Manchester and Salford are still far too numerous. Last week 330 were registered in the eleven districts which supply returns to the Sanitary Association.

No fewer than 111 of these deaths were due to Diarrhoea—upwards of one-third of the whole.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 60.1° , or 2.5° above the average; at the Royal Infirmary it was 58.3° , at Old Trafford 58.4° , and at Eccles 58.1° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		
	1	2	3	4	5	6		7	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City of Salford
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	..	..	1	1	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	2	..	..	..	8	6	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	3	5	3	1	1	4	17	22	1	17	..	..	..	49	26	..
Dysentery .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
Continued Fever.....	1	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..
Typhus .....	..	..	..	..	..	1	1	1	3	..	..	..	1	..	3	..
Enteric or Typhoid .....	..	..	..	2	..	..	2	4	..	..	..	1	2	..	..	..
Febricula.....	..	..	..	..	..	2	2	..	1	..	..	1	..	9	..	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	3	1	15	..	..	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh .....	..	3	..	5	..	..	8	11	1	31	..	2	2	14	5	..
Influenza .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia.....	..	..	..	..	..	..	..	5	..	7	..	..	..	2	..	..
Phthisis .....	..	1	..	..	..	..	1	9	2	25	..	..	3	1	4	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	17	2	14	..	..	..	..	1	..
All other Diseases	8	4	10	1	2	16	41	96	21	137	2	5	9	55	49	..
Accidents	1	..	..	3	..	3	7	9	21	107	1	2	..	..	..	..
TOTAL	13	13	13	12	4	27	82	180	53	357	3	11	17	139	95	11

Medical Officers to whom the Association are indebted for their assistance											
(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCORN,								
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. E. RICHARDSON,	(14) Dr. WHITEHEAD,								
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ T. HENRY PINDER,	(15) „ J. OGDEN FILLIS,								
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) „	(16) Mr. J. TEALE,								

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 14th day of September, 1867.

SALFORD.				HULME.			CHORLTON.	ARDWICK	PENDLETON AND PENDLEBURY.						
1,329				477.....			646...	508	2650.....					Area in Statute Acres.	
70,967.				68,209. ..			44,850..	21739	24,448.....					Population in 1861.	
LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				DEATHS.
..	..	2	..	..	..	..	..	..	..	..	..	2	..	Small-pox .....	..
..	1	..	..	1	!	..	..	..	6	5	Measles .....	..
..	2	..	1	..	..	2	1	6	17	Scarlet Fever.....	..
..	Diphtheria .....	..
..	4	..	1	..	..	1	22	7	Whooping-cough	1
..	1	..	..	..	1	..	Croup .....	..
2	..	13	7	6	3	9	1	11	..	6	24	226	595	Diarrhoea	14
1	..	2	..	..	..	..	..	..	..	..	1	6	3	Dysentery .....	..
..	Malignant Cholera ..	..
..	1	..	1	..	..	..	..	..	..	..	..	5	3	Erysipelas .....	..
..	..	3	..	..	3	1	..	..	..	..	..	9	67	Continued Fever ....	..
..	1	10		Typhus	1
..	..	2	..	..	..	3	..	..	..	..	..	14		Enteric or Typhoid ..	1
..	..	3	..	..	2	2	3	3	..	1	1	30		Febricula .....	..
..	Ague .....	..
..	1	..	..	..	..	..	..	..	..	3	..	23	64	Rheumatic Fever ....	..
..	Puerperal Fever.....	..
7	2	15	4	3	1	..	4	7	..	5	6	134	146	Bronchitis & Catarrh	8
..		Influenza .....	..
..	..	1	..	..	..	1	1	..	..	..	5	22	15	Pleurisy & Pneumonia.	2
3	..	8	1	3	1	..	1	1	..	4	5	73	48	Phthisis	10
..	..	2	3	..	..	..	2	1	..	..	3	48	38	Constitutional Syphilis	..
12	13	108	1	5	6	7	16	23	..	14	85	725	910	All other diseases....	30
..	..	63	..	..	..	..	3	13	..	26	..	253		Accidents	4
25	17	222	17	18	18	27	33	62	..	61	133	1615	1918	TOTAL	71

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
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Small Pox
Measles	1	1	1	1	1	5	3
Whooping-cough	1	4	1	1	1	1	2	2	13	5
Scarlatina	1	1	1	1	10	7	..	11	8
Diarrhoea	13	22	7	69	8	10	16	4	10	12	..	111	37
Fever	1	1	1	..	2	1	1	1	8	20
Diseases of the Lungs	7	8	5	4	3	..	6	2	5	8	1	49	46
Other causes	13	16	19	1	9	12	10	11	7	26	9	133	123
TOTAL NO. OF DEATHS.	37	52	32	14	21	26	33	20	24	57	14	330	242
TOTAL NO. OF BIRTHS.	55	48	22	10	18	14	64	48	32	73	23	407	324

a 1 English Cholera. b All under 5 years. c 9 Under 2 years. d All under 4 years. e Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

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Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	.....Small-pox.....	14	7	4	25
..	..	..	..	.....Chicken-pox.....	1	..	3	4
41	78	106	225	.....Measles.....	68	89	40	197
30	67	62	159	.....Scarlatina.....	25	33	12	70
3	5	3	11	.....Diphtheria.....	..	..	..	..
60	50	50	160	....Whooping-cough....	32	55	68	155
2	..	1	3	.....Croup.....	3	2	1	6
341	645	1480	2466	.....Diarrhoea.....	141	226	513	880
1	3	3	7	.....Dysentery.....	10	20	19	49
..	..	2	2	.....Cholera.....	..	..	..	..
23	13	9	45	.....Erysipelas.....	18	25	18	61
2	1	1	4	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	39	50	34	123
643	691	509	1843	.Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
..	..	..	..	.....Carbuncle.....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.									
Royton	1.960	.....	16							
Old Trafford ..	1.410	.....	16							
Penketh	1.348	.....	13							
Wilmslow	1.166	.....	14							
Eccles .....	.....	.....	..				
Castleton Moor	....	.....	..				
Height of barometer cistern above sea level				130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.810	29.832	29.827		29.836		
Highest				29.942	29.958	29.931		29.484		
Lowest				29.598	29.588	29.595		29.160		
Range				0.344	0.370	0.336		0.324		
Temperature.										
Adopted Mean				58.3	58.4	58.1		56.8		
Range for Week				19.2	25.2	25.9		27.7		
Daily Range				13.3	18.1	16.8		18.0		
Maximum in Shade				69.7	71.2	70.5		69.5		
Minimum in Shade				50.5	46.0	44.6		41.8		
Temperature of Dew Point				54.3	53.3	50.2		52.0		
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS. 0.869	GRS. 0.832	GRS. 0.750	NO RETURN.	GRS. 0.809	NO RETURN.	NO RETURN.
Prevailing Winds .....				....	S, SW	W		S, SW		
Rain .....				....	0.689	0.923		1.273		
Ozonometer.										
Moffat .....				....	6.71	1.43		....	
Schonbein .....				....	3.28	....		5.20		

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, SEPTEMBER 21, 1867.

No. 373.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns still continue very high. In the week ending on Saturday, the 21st inst., 1571 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1622 and 1615. The deaths among patients of the poorer class amounted to 61, or 1 death to every 25 cases.

It is satisfactory to be able to record a marked falling off in the number of new cases of Diarrhœa. The patients who experienced attacks of this disorder did not exceed 141 or 91 fewer than in the preceding week. At St. Mary's Hospital and the Clinical Hospital the entries under this column were especially numerous.

With the improvement under Diarrhœa we observe at the same time a considerable increase under Bronchitis and kindred affections of the chest. In the week ending the 14th of September, these cases did not exceed 156, last week they amounted to 183.

In certain quarters of the town, more especially in the Medlock Poor Law District, Hulme, Scarlet Fever appears to be on the increase, 13 instead of 6 new cases being recorded in the course of the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 301 deaths were registered in the eleven districts which supply returns to the Sanitary Association.

Seventy-nine of these deaths are ascribed to Diarrhœa, and 47 to Diseases of the Lungs.

In the Greengate District two deaths, those of a father and son, aged respectively 26 and 5 years, are attributed to Cholera. In each case the disease proved fatal in 14 hours.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 54.8° , or 1.7° below the average of the same week in 50 years; at the Royal Infirmary it was 52.1° , at Old Trafford 52.0° , and at Eccles 52.3° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1
Scarlet Fever .....	..	..	..	1	..	..	1	..	..	..	..	..	1	..	2
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	9	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	2	1	..	..	2	1	6	7	..	4	..	..	..	23	23
Dysentery .....	..	..	..	..	..	1	1	..	..	2	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Continued Fever.....	..	..	4	2	..	..	6	..	..	..	..	..	..	..	1
Typhus .....	..	..	..	..	..	2	2	2	..	..	1	2	1	..	2
Enteric or Typhoid .....	..	a1	..	..	..	1	2	6	1	..	..	..	..	..	1
Febricula.....	..	..	..	1	..	1	2	2	..	2	..	..	1	8	1
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	1	1	..	2	1	..	12	..	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	2	..	..	2	4	9	8	3	29	1	2	2	14	7
Influenza .....	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..
Pleurisy and Pneumonia....	2	..	1	..	1	..	4	3	..	5	..	1	..	..	1
Phthisis	1	..	..	1	..	..	2	6	1	17	1	..	5	..	1
Constitutional Syphilis .....	..	..	1	..	..	1	2	12	..	17	1	1	..	..	2
All other Diseases	7	1	13	6	2	8	37	145	18	125	..	6	10	63	54
Accidents	1	..	..	..	..	..	1	10	26	111	1	3	1	..	..
TOTAL	14	5	19	12	8	20	78	204	49	328	5	15	21	117	100

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. J. TATTERSALL,	(13) Mr. H. RUNCOLN,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. E. RICHARDSON,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ T. HENRY PINDER,	(15) „ J. OGDEN F.
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12)	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 21st day of September, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.	
1,329				477.....			646...		508.	2650.....				Area in Statute Acres.			
70,967.				68,209. ...			44,850..		21739	24,448				Population in 1861.			
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS													
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.			
17	18	19	20	21	22	23	24	25	26	27	28						
1	..	..	..	..	..	..	..	..	..	..	..	1	1	Small-pox .....	..	
..	5	..	..	1	..	..	1	2	..	..	..	11	6	Measles .....	..	
..	..	..	..	..	4	2	..	..	..	3	..	13	12	Scarlet Fever. ....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..	
..	1	..	..	..	..	..	1	1	..	..	..	17	4	Whooping-cough	1	
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..	
2	..	5	4	6	4	4	2	6	1	5	22	135	272	Diarrhœa	12		
1	..	..	..	..	..	1	1	..	..	..	..	6	6	Dysentery .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..	
..	..	2	..	..	..	1	..	..	..	..	..	6	6	Erysipelas .....	..	
..	1	3	..	..	1	1	..	..	..	..	..	14	114	Continued Fever	1	
..	1	..	..	..	..	..	..	..	..	..	3	15		Typhus	2	
1	..	2	..	..	..	..	1	..	..	2	..	16		Enteric or Typhoid ..	1	
..	..	1	..	1	..	..	..	3	..	..	..	22	855	Febricula .....	..	
..	Ague	
..	1	2	..	18		55	Rheumatic Fever	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..	
5	..	29	3	2	2	4	3	7	1	4	15	161	172	Bronchitis & Catarrh	5		
..	..	..	..	..	..	..	..	..	..	..	..	3		Influenza .....	..	
1	..	2	..	..	..	..	..	1	..	..	1	19	9	Pleurisy & Pneumonia.	1	
1	..	8	..	2	2	..	1	5	..	3	3	58	48	Phthisis	9		
1	..	5	2	..	..	..	1	1	..	..	3	52	43	Constitutional Syphilis	2	
17	19	96	3	10	7	6	13	23	5	15	67	748	855	A l o t h e diseases....	25		
1	..	59	..	2	..	..	1	20	..	19	..	256		Accidents	2	
31	27	212	12	24	20	19	26	69	7	53	114	1571	1604	.... TOTAL	61	

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. CHARLES OGDEN,
(28) .. GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnsbp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	1	..	..	1	1	3	..	2	1	10	9
Whooping-cough	2	1	1	..	..	..	3	2	..	3	..	12	4
Scarlatina	2	..	..	..	..	1	1	..	2	7	..	13	12
Diarrhoea	12	6	6	4	5	3	d 7	3	f 11	14	8	79	36
Fever .....	..	1	3	..	1	3	1	..	..	g 3	1	13	22
Diseases of the Lungs	11	3	7	2	2	7	3	..	6	4	2	47	58
Other causes	a 12	13	25	b 7	3	c 9	12	e 8	10	22	e 6	127	110
TOTAL NO. OF DEATHS.	40	24	43	13	11	24	28	16	29	55	18	301	252
TOTAL NO. OF BIRTHS.	38	37	14	15	18	25	24	26	45	75	15	332	326

a 2 Inquests. b 4 Inquests. c 2 Cases of Cholera, Father and Son, aged respectively 26 and 5 years, 14 hours in each case. d 1 Choleraic. e 1 Inquest. f All under 2 years. g 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	..... Small-pox	14	7	4	25
41	..	..	..	..... Chicken-pox	1	..	3	4
30	78	106	225	..... Measles	68	89	40	197
3	67	62	159	..... Scarlatina	25	33	12	70
60	5	3	11	..... Diphtheria .....	..	..	..	..
2	50	50	160	.... Whooping-cough	32	55	68	155
341	..	1	3	..... Croup	3	2	1	6
1	645	1480	2466	..... Diarrhoea	141	226	513	880
23	3	3	7	..... Dysentery	10	20	19	49
2	..	2	2	..... Cholera .....	..	..	..	..
2	13	9	45	..... Erysipelas	18	25	18	61
2	1	1	4	.... Puerperal Fever ....	..	..	..	..
643	..	..	..	..... Insanity	39	50	34	123
91	691	509	1843	.. Bronchitis and Catarrh..	857	886	583	2326
..	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
4827	..	..	..	..... Carbuncle .....	..	..	..	..
6084	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
7623	7406	21113	..	..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN AUGUST.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	1.960	..... 16							
Old Trafford ..	1.410	..... 16							
Penketh	1.348	..... 13							
Wilmslow	1.166	..... 14							
Eccles .....	.....	..... ..					
Castleton Moor	.....	..... ..					
Height of barometer cistern above sea level	130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.		
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.		
Mean @ 32° F., and reduced to sea level	30.241	30.255	30.244						
Highest	30.406	30.460	30.429						
Lowest	29.700	29.782	29.787						
Range	0.706	0.678	0.642						
Temperature.									
Adopted Mean	52.1	52.0	52.3						
Range for Week	20.9	29.0	28.1						
Daily Range	11.2	16.7	16.1						
Maximum in Shade	63.4	67.0	66.0						
Minimum in Shade	42.5	38.0	37.9						
Temperature of Dew Point	47.9	47.2	45.3						
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)	GRS. 0.858	GRS. 0.842	GRS. 0.773	NO	GRS. 0.860	NO	NO	NO	NO
Prevailing Winds .....	.....	SW, NE	NW, NE		SW				
Rain .....	.....	0.240	0.270		0.325				
Ozonometer.									
Moffat .....	.....	1.57	2.00		.....			
Schonbein .....	.....	0.00	.....		2.60				

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, SEPTEMBER 28, 1867. No. 374.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 28th ultimo 1421 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford, a decided improvement in the two previous returns, when the numbers were 1615 and 1571. The deaths at the same time among patients of the poorer class amounted to 58, or 1 death to every 24 cases.

With the fall in the temperature observable of late there is, as might be anticipated, a marked decrease in the fatality and prevalence of Diarrhœa. A fortnight ago the seizures from this disorder were as high as 232, last week they did not exceed 94.

While however Diarrhœa is on the decrease Continued Fever under its various forms is rapidly gaining ground, the new cases in the course of the week rising from 67 to 100. Mr. Finlayson, in his report from the Clinical Hospital, informs us that one or two children suffering from Fever have been brought to the Dispensary from Bilberry-street, Newtown (Collyhurst Road). Some of these patients he visited at their own homes and saw three cases on one side of the street. He was informed that a young man died there a week ago of Fever. On examining the surroundings at the back he found "an abominable open drain with stagnant water and dirt." In Mr. Finlayson's opinion, unless something is done the disease is sure to spread.

In St. George's District, Hulme, 9 cases of Scarlet Fever came under the observation of Mr. S. Woodcock.

With the advance of the season Bronchitis and kindred affections of the chest are steadily gaining ground.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 302 deaths were registered in the eleven districts which furnish returns to the Sanitary Association.

Sixty-three of these deaths were due to Diarrhœa, 15 to Scarlet Fever, and 14 to Continued Fever.

In London, according to the last return of the Registrar General, the mean temperature of the air in the week was 53.0°, at the Royal Infirmary and Eccles it was 52.1° and at Old Trafford 51.7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		,, ,, 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	1	..	..	..	..	2	..	..	..	..	..	..	1	..
Scarlet Fever .....	..	..	..	..	..	..	..	1	..	..	..	..	4	..	1
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	1	..	3	..	..	1	5	5
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	2	..	..	..	2	4	..	..	12	..	..	2	15	9
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	a7	1	2	4	..	4	18	..	..	..	..	..	..	..	1
Typhus .....	..	..	1	..	..	..	1	5	2	..	1	1	2	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	9	1	..	..	1	1	..	2
Febricula.....	..	..	..	..	3	2	5	2	2	..	..	..	2	6	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	1	1	..	..	2	2	..	10	..	1	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	2	..	2	1	..	6	6	..	37	..	1	2	20	12
Influenza .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	3	..	..	..	1	..	..	2
Phthisis .....	..	..	..	..	..	..	..	9	1	20	2	..	2	2	2
Constitutional Syphilis	1	..	1	..	..	2	4	15	..	6	..	..	..	..	1
All other Diseases	8	3	2	3	3	9	28	124	25	111	..	3	5	53	34
Accidents .....	..	..	..	..	..	2	2	9	23	86	1	2	..	..	..
TOTAL	18	9	7	10	7	21	72	186	54	287	4	10	22	102	69

a 4 Removed to Workhouse.

b Removed to Workhouse.

Medical Officers to whom the Associatio

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEF,
- (9) } Mr. W. E. RICHARDSON,

(10) } „ T. HENRY PINDER,

(11) } „ ROBT. CEELEY,

(12) }
- (13) Mr. H. RUNCOR

(14) Dr. WHITEHEAD

(15) „ J. OGDEN F

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 28th day of September, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					Area in Statute Acres. Population in 1861.		DEATHS.	
1,329					477			646		508		2650								
70,967					68,209			44,850		21739		24,448								
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS.			Poor Law District.		Poor Law District.		Ardwick & Ancoats Dispensary.		Chorlton Union Workhouse.		Total.		Corresponding Week last Year.		DISEASES.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.							
17	18	19	20	21	22	23	24	25	26	27	28									
..	..	..	..	..	..	..	..	1	..	..	..	1	1	1	1	Small-pox .....	..		
..	2	1	..	1	..	..	..	..	..	..	..	7	9	7	9	Measles	1
..	..	..	..	9	..	..	1	..	..	..	..	16	12	16	12	Scarlet Fever.	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..		
..	..	2	..	..	..	..	1	1	..	1	3	23	1	23	1	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..		
4	1	..	4	5	1	2	3	3	..	4	16	90	156	90	156	Diarrhœa	4			
..	..	..	..	..	..	..	..	1	..	1	..	4	3	4	3	Dysentery .....	..		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..		
..	..	1	..	1	..	..	..	..	..	1	1	4	6	4	6	Erysipelas .....	..		
..	..	3	..	..	1	2	..	..	2	..	..	27	112	27	112	Continued Fever ....	..		
2	1	5	2	..	..	..	..	..	..	2	2	26		26		Typhus	1
1	2	1	1	..	..	..	..	..	..	..	..	19		19		Enteric or Typhoid ..	1
..	2	..	3	..	..	..	..	3	3	2	..	28		28		Febricula .....	..		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..		
..	1	..	..	..	..	..	2	..	..	..	..	18	84	18	84	Rheumatic Fever ....	..		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	..	34	4	6	3	7	5	7	2	5	16	184	162	184	162	Bronchitis & Catarrh	10			
..	..	..	..	..	..	..	..	..	..	..	..	1		1		Influenza .....	..		
..	..	3	..	..	..	..	..	..	..	..	1	12	..	12	..	Pleurisy & Pneumonia.	..
1	..	11	..	2	..	..	..	1	1	1	3	60	49	60	49	Phthisis	6
1	1	3	2	..	..	..	..	..	..	..	..	36	44	36	44	Constitutional Syphilis	..
13	15	94	3	8	4	5	18	12	4	10	62	639	848	639	848	All other diseases....	30			
..	..	65	..	..	..	1	1	12	..	24	..	226		226		Accidents	3
4	25	24	227	14	28	10	15	31	41	10	51	104	1421	1487	1487	TOTAL	58			

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ CHARLES OGDEN,
(28) „ GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	1	..	1	..	1	..	..	..	1	..	4	4
Whooping-cough	2	2	1	..	..	3	1	1	..	..	1	11	..
Scarlatina	1	..	1	2	2	..	..	..	2	7	..	15	3
Diarrhoea	12	8	2	7	5	5	5	3	g7	7	2	63	31
Fever	1	1	b1	1	c2	..	d2	1	..	b2	h3	14	23
Diseases of the Lungs	10	7	9	2	5	12	1	..	6	9	2	63	51
Other causes	15	a12	16	3	11	5	e12	f9	12	29	8	132	125
TOTAL NO. OF DEATHS.	41	31	30	16	25	26	21	14	27	55	16	302	238
TOTAL NO. OF BIRTHS.	42	29	16	14	22	29	40	14	28	76	22	332	339

a 5 Inquests. b Typhoid. c 1 Typhus. d Typhus. e 1 Inquest. f 2 Inquests. g All Infantile.
h 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	..... Small-pox	14	7	4	25
..	..	..	..	..... Chicken-pox	1	..	3	4
41	78	106	225	..... Measles	68	89	40	197
30	67	62	159	..... Scarlatina	25	33	12	70
3	5	3	11	..... Diphtheria .....	..	..	..	..
60	50	50	160	.... Whooping-cough	32	55	68	155
2	..	1	3	..... Croup	3	2	1	6
341	645	1480	2466	..... Diarrhoea	141	226	513	880
1	3	3	7	..... Dysentery	10	20	19	49
..	..	2	2	..... Cholera .....	..	..	..	..
23	13	9	45	..... Erysipelas	18	25	18	61
2	1	1	4	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	39	50	34	123
643	691	509	1843	. Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia ..	72	69	65	206
..	..	..	..	..... Carbuncle .....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	..... TOTAL	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN AUGUST.			Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, REV. J. C. BATES.
Inches.	Wet Days.								
Royton	1.960	..... 16							
Old Trafford ..	1.410	..... 16							
Penketh	1.348	..... 13							
Wilmslow	1.166	..... 14							
Eccles .....	.....	..... ..					
Castleton Moor	.....	..... ..					
Height of barometer cistern above sea level			130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.182	30.198	30.208		30.185		
Highest			30.454	30.402	30.387		29.940		
Lowest			29.758	29.794	29.781		29.309		
Range			0.696	0.608	0.606		0.631		
Temperature.									
Adopted Mean			52.1	51.7	52.1		50.1		
Range for Week			22.5	23.0	24.3		27.6		
Daily Range			11.6	16.9	13.3		15.5		
Maximum in Shade			64.5	62.0	62.3		61.8		
Minimum in Shade			42.0	39.0	38.0		34.2		
Temperature of Dew Point			47.9	47.3	46.8		46.0		
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.858	GRS. 0.853	GRS. 0.825	NO RETURN.	GRS. 0.856	NO RETURN.	NO RETURN.
Prevailing Winds .....			.....	SW, S	NW		S, SW		
Rain .....			.....	0.330	0.391		0.545		
Ozonometer.									
Moffat .....			.....	1.43	2.57		.....	
Schonbein .....			.....	1.14	....		2.14		

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, OCTOBER 5, 1867.

No. 375.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the course of the last fortnight there has been an improvement in the disease returns. In the week ending on Saturday, the 5th instant, 1470 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1571 and 1421. The deaths at the same time among patients of the poorer class amounted to 55, being in the proportion of 1 death to every 26 cases.

With the advance of the season there is, as might be expected, a marked falling off in the number of new cases of Diarrhoea. A fortnight ago there were 141, last week only 83.

Under Continued Fever likewise we observe a considerable improvement, the cases falling from 100 to 71—12 of the latter are assigned to Typhus.

In our last return attention was directed to 6 cases of Scarlet Fever observed in St. George's District, Hulme; in the present return 6 more are recorded by Mr. Woodcock in the same district, while 8 more were observed in the Medlock and Philips' Districts, likewise situated in Hulme.

With the fall in the temperature which has come on of late Bronchitis and kindred affections of the chest are again gaining ground; a fortnight ago the new cases of these diseases amounted to 183, last week they rose to 218.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 257 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the previous week the number (302) was considerably higher.

The deaths from Diarrhoea fell from 63 to 46; and those from Diseases of the Chest from 63 to 58.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48.2° , or 5.6° below the average of the same week in fifty years; at the Royal Infirmary it was 47.9° ; at Eccles 47.1° ; and at Old Trafford 46.2° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres																
Population in 1861																
Manchester Township 1,645																
,, ,, 185,050																
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.						CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	3	..	..	..	..	..	3	..	..	..	..	..	3	..	..	..
Scarlet Fever .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	3	..	..	1	7	5	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	2	..	3	..	..	6	1	..	7	..	..	..	11	14	1
Dysentery .....	..	..	..	..	..	2	2	..	..	..	..	..	..	1	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
Continued Fever.....	2	1	2	2	1	1	9	..	..	..	..	..	..	..	..	..
Typhus .....	..	..	1	..	..	..	1	2	..	..	..	1	..	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	1	1	3	2	1	..	1	..	..	..	..
Febricula.....	..	..	1	4	..	1	6	2	..	..	..	2	1	7	1	..
Ague .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	3	1	21	1	..	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	5	1	5	..	1	7	19	20	1	39	2	5	2	14	4	2
Influenza .....	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	2
Pleurisy and Pneumonia....	1	1	..	..	..	..	2	3	1	..	1	..	..	..	..	..
Phthisis .....	..	..	..	2	..	..	2	9	1	19	1	..	5	..	2	..
Constitutional Syphilis .....	..	..	..	..	..	1	1	13	1	12	..	..	..	..	1	..
All other Diseases	52	3	8	8	8	7	66	73	25	97	2	4	14	55	50	6
Accidents .....	..	..	..	2	..	1	3	7	15	113	..	1	3	..	1	..
TOTAL	44	8	18	21	10	21	122	137	47	316	8	15	29	95	78	11

Medical Officers to whom the Associations are indebted for their assistance

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEF,
- (9) „

(10) Mr. W. E. RICHARDSON,

(11) „ T. HENRY PINDER,

(12) „ S. J. TRUEMAN
- (13) Mr. H. RUNCORN,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN FLEMING,

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 5th day of October, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477.			646. ...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448.....				Population in 1861.		
LAW DISTRICT.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												DISEASES.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	4	Small-pox .....	..
..	11	4	..	2	..	..	1	3	..	..	..	27	6	Measles	1
..	..	3	..	6	4	4	1	2	..	..	1	22	5	Scarlet Fever.....	1
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Diphtheria .....	..
..	..	..	..	..	..	1	2	4	..	..	1	24	8	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
3	..	6	6	2	..	1	1	4	1	3	12	80	142	Diarrhoea	4	
..	..	..	..	..	..	..	..	..	..	..	..	3	2	Dysentery .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	2	..	1	..	..	..	..	..	..	..	5	3	Erysipelas .....	..
..	..	2	..	..	1	..	..	..	..	1	..	13	110	Continued Fever	1
2	6	..	..	..	..	..	..	..	..	..	..	12		Typhus	3
2	..	3	..	..	..	..	2	..	..	..	..	15		Enteric or Typhoid ..	2
..	1	6	..	..	..	..	2	..	..	2	1	31	}	Febricula .....	..
..	1		..	Ague
..	2	..	28		55	Rheumatic Fever
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
6	1	36	2	4	3	8	3	9	1	6	11	201	203	Bronchitis & Catarrh	8	
..	..	1	..	..	..	..	..	..	..	..	..	6		Influenza .....	..
..	..	1	1	..	..	..	1	1	..	..	..	11	9	Pleurisy & Pneumonia.	..
..	1	11	..	1	2	1	..	1	..	..	..	56	55	Phthisis	5
1	..	4	1	..	..	..	..	..	..	..	1	36	35	Constitutional Syphilis	..
6	12	110	2	6	2	6	21	19	3	20	52	658	846	All other diseases....	26	
1	..	56	..	..	..	..	..	14	..	26	..	240		Accidents	4
21	32	245	12	22	12	21	34	57	5	60	79	1470	1483	.... TOTAL	55

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18)
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
(27) „ CHARLES OGDEN,
(28) „ GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions
n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	1	..	..	..	1	..	..	2	..	2	6	4
Whooping-cough.....	1	1	..	..	..	1	..	1	..	2	..	6	..
Scarlatina	1	2	..	..	1	..	..	..	1	7	1	13	18
Diarrhœa	7	3	4	6	..	9	2	2	2	11	..	46	26
Fever	3	2	a2	..	a1	..	c2	3	..	d3	1	17	19
Diseases of the Lungs	10	2	4	2	3	9	1	2	5	12	3	53	54
Other causes.....	9	11	17	7	6	b9	11	b8	9	22	7	116	106
TOTAL NO. OF DEATHS.	31	22	27	15	11	29	16	16	19	57	14	257	228
TOTAL NO. OF BIRTHS.	41	33	14	11	15	28	21	14	29	42	17	265	288

a Typhus. b 1 Inquest. c Typhoid. d 2 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL.	DISEASE.	4 Weeks ending 25th May.	5 Weeks ending 29th June.	4 Weeks ending 27th July.	TOTAL
20	25	10	55	.....Small-pox.....	14	7	4	25
..	..	..	..	.....Chicken-pox.....	1	..	3	4
41	78	106	225	.....Measles.....	68	89	40	197
30	67	62	159	.....Scarlatina.....	25	33	12	70
3	5	3	11	.....Diphtheria.....	..	..	..	..
60	50	50	160	....Whooping-cough....	32	55	68	155
2	..	1	3	.....Croup.....	3	2	1	6
341	645	1480	2466	.....Diarrhœa.....	141	226	513	880
1	3	3	7	.....Dysentery.....	10	20	19	49
..	..	2	2	.....Cholera.....	..	..	..	..
23	13	9	45	.....Erysipelas.....	18	25	18	61
2	1	1	4	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	39	50	34	123
643	691	509	1843	..Bronchitis and Catarrh..	857	886	583	2326
91	46	26	163	Pleurisy and Pneumonia..	72	69	65	206
..	..	..	..	.....Carbuncle.....	..	..	..	..
4827	5999	5144	15970	{ Accidents, and all other Diseases. }	4827	5717	4574	15118
6084	7623	7406	21113	.....TOTAL.....	6107	7179	5934	19220

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER. Inches. Wet Days.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Royton 3·665							
Eccles 3·421							
Old Trafford .. 2·990							
Penketh 2·322							
Wilmslow							
Castleton Moor							
Height of barometer cistern above sea level	130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30·058	30·095	30·086	30·094	30·074	30·087	
Highest.....	30·366	30·350	30·347	30·248	29·870	30·470	
Lowest.....	29·778	29·761	29·731	29·636	29·254	29·844	
Range	0·588	0·589	0·616	0·612	0·616	0·626	
Temperature.							
Adopted Mean	47·9	46·2	47·1	44·3	44·2	48·4	
Range for Week	26·5	30·5	28·1	30·7	30·8	32·4	
Daily Range.....	11·4	15·6	12·2	16·2	16·6	13·2	
Maximum in Shade	60·5	61·0	58·8	59·4	57·0	60·9	
Minimum in Shade	34·0	30·5	30·7	28·7	26·0	28·5	
Temperature of Dew Point	44·2	40·2	38·6	36·9	38·3	39·6	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)	0·368	0·806	0·731	0·715	0·783	0·714	
Prevailing Winds .....	....	SW	W,NW	N,SW	NW	N,NW	
Rain .....	....	0·349	0·247	0·160	0·545	0·178	
Ozonometer.							
Moffat.....	....	1·71	2·71	....	....	0·00	
Schonbein .....	....	0·14	....	4·71	3·70	3·00	

NO RETURN.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, OCTOBER 12, 1867.

No. 376.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The last disease returns were not satisfactory. In the week ending on Saturday, the 12th inst., 1556 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1421 and 1470. The deaths at the same time among patients of the poorer class amounted to 52, or 1 death to every 29 cases.

The most unfavourable feature in the present return is the increasing prevalence of Scarlet Fever. In our last report attention was directed to the number of new cases of this disease which were recorded in the Hulme District. In this quarter of the town the disorder is still rapidly advancing. In the previous week the Hulme cases did not exceed 14, last week they rose to 19. It is much to be feared that a general epidemic of Scarlet Fever is not far distant.

With the advance of the season Diarrhœa is partially declining, while disorders of the respiratory organs are rapidly gaining ground—the new cases of Bronchitis and kindred affections of the chest rising from 218 to 291.

In the course of the last fortnight the seizures from Continued Fever have fallen from 100 to 76—12 of the latter are ascribed to Typhus and 15 to Enteric Fever.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 278 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the previous week the number was 257 and in the corresponding one of last year 219.

Diarrhœa proved fatal to 36 persons, Continued Fever to 21, and Scarlet Fever to 17.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43.7°; at the Royal Infirmary it was 44.6°; at Eccles 44.4°; and at Old Trafford 43.7°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		
	1	2	3	4	5	6		7	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
Small-pox .....	..	a1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..
Scarlet Fever .....	..	1	..	..	..	2	3	1	..	..	..	2	..	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	4	..	..	..	9	2	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa .....	..	..	1	..	..	..	1	2	..	5	..	..	1	16	8	..
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	..	2	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Continued Fever	1	..	..	..	1	3	5	..	..	..	..	..	..	..	..	..
Typhus .....	..	b1	..	..	..	..	1	4	..	..	1	3	1	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	3	3	..	..	1	..	..	..	..
Febricula .....	..	..	1	..	b1	4	6	3	1	..	1	..	2	5	1	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	1	2	17	1	3	..	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	5	5	3	7	..	7	25	17	1	51	3	7	3	30	11	..
Influenza .....	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..
Pleurisy and Pneumonia .....	..	..	..	..	..	..	..	2	1	1	1	..	1	..	1	..
Phthisis .....	..	2	..	4	1	..	7	9	..	20	..	3	..	1	..	..
Constitutional Syphilis .....	..	1	..	..	..	..	1	12	..	11	..	..	1	..	1	..
All other Diseases	29	5	16	8	3	15	76	81	35	132	6	2	10	27	13	..
Accidents	4	..	..	..	1	1	6	6	20	115	..	1	4	..	1	..
TOTAL	42	14	21	19	7	32	135	141	63	363	13	22	23	91	39	19

a Modified.

b Removed to Workhouse.

Medical Officers to whom the Association are indebted for their assistance.

- | | | | |
|-----------------------|--------------------------|---------------------------|---------------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. E. RICHARDSON, | (13) Mr. H. RUNCORN, |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ T. HENRY PINDER, | (14) Dr. WHITEHEAD, |
| (3) „ EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) „ S. J. TRUEMAN | (15) „ J. OGDEN FLETCHER, |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 12th day of October, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.	
1,329					477.....			646...		508.	2650.....			Area in Statute Acres.			
70,967.					68,209. ..			44,850.		21739	24,448.....			Population in 1861.			
POOR LAW STRICT	PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS												
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28						
...	1	7	Small-pox .....	...
...	...	3	3	...	...	...	...	2	...	...	...	...	10	7	Measles .....	...
...	4	...	7	3	9	1	...	...	...	...	31	8	Scarlet Fever.	6	
...	Diphtheria .....	...
...	4	...	2	4	...	1	1	28	4	Whooping-cough ....	...
...	Croup .....	...
2	4	3	...	...	2	...	2	1	2	8	59	116	Diarrhoea	2	
1	1	...	1	...	...	...	...	...	6	4	Dysentery .....	...
...	Malignant Cholera ..	...
...	1	...	...	...	...	...	...	...	...	...	3	3	Erysipelas .....	...
...	3	3	...	...	...	2	...	...	...	...	...	...	13	110	Continued Fever ....	...
2	...	1	...	...	...	...	...	...	...	...	...	3	17		Typhus	1
1	...	2	...	...	...	...	1	...	...	...	...	...	11		Enteric or Typhoid ..	...
...	...	4	...	1	2	...	...	7	2	...	...	...	35	233	Febricula .....	...
...		Ague .....	...
...	2	26		65	Rheumatic Fever
...	Puerperal Fever.....	...	
9	1	38	6	3	5	3	4	6	...	7	31	269	939	233	Bronchitis & Catarrh	7	
...	8			14	Influenza
...	...	2	2	1	2	14				Pleurisy & Pneumonia.	5
3	...	9	...	1	...	1	1	2	...	3	3	64	41		Phthisis .....	...
...	...	4	2	...	...	3	1	...	...	...	2	38	33		Constitutional Syphilis	...
10	11	96	3	5	3	8	12	19	...	18	90	675	939	{	All other diseases	25	
1	...	54	...	3	...	2	1	13	...	21	...	248				Accidents	6
27	18	225	16	21	19	29	26	55	3	54	138	1556	1584	.... TOTAL		52

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(19) „ J. O. BRADBURY,
(20) Dr. BRADDON,

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Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	1	..	..	..	..	..	1	..
Measles	1	..	..	1	..	..	1	..	1	1	..	5	3
Whooping-cough .....	..	2	2	..	..	2	..	3	..	3	..	12	1
Scarlatina	4	2	..	..	..	3	..	..	2	5	1	17	6
Diarrhoea	4	6	2	3	1	5	..	5	6	2	2	36	23
Fever	2	2	2	..	..	61	62	..	3	5	4	21	21
Diseases of the Lungs	6	5	3	4	5	9	3	1	5	8	2	51	58
Other causes	a16	13	18	10	10	6	16	c5	d12	28	1	135	107
TOTAL NO. OF DEATHS.	33	30	27	18	16	27	22	14	29	52	10	278	219
TOTAL NO. OF BIRTHS.	43	30	21	15	19	38	19	19	24	49	18	295	357

a 4 Inquests. b Typhus. c 1 Inquest. d 3 Inquests e 3 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL.	DISEASE.	4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL
10	26	7	43	..... Small-pox	4	5	6	15
..	..	..	..	..... Chicken-pox	3	..	..	3
106	91	61	258	..... Measles	40	59	36	135
62	120	125	317	..... Scarlatina	12	32	38	82
3	4	3	10	..... Diphtheria .....	..	1	..	1
50	39	35	124	.... Whooping-cough	68	123	89	280
1	1	..	2	..... Croup	1	..	2	3
1480	2349	1361	5180	..... Diarrhoea	513	872	656	2041
3	2	6	11	..... Dysentery	19	36	23	78
2	2	..	4	..... Cholera .....	..	..	..	..
9	20	13	42	..... Erysipelas	18	23	18	69
1	..	..	1	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	34	..	..	34
509	607	482	1598	.. Bronchitis and Catarrh..	583	744	624	1951
26	30	27	83	Pleurisy and Pneumonia ..	65	93	66	224
..	..	..	..	..... Carbuncle .....	..	..	..	..
5144	6288	4910	16342	{ Accidents, and all other Diseases. }	4574	5729	4671	14974
7406	9579	7030	24015	..... TOTAL	5934	7727	6229	19890

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.	Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, REV. J. C. BATES.
Inches. Wet Days.							
Royton	3.665	..	..	..	..	..	..
Eccles	3.421	..	..	..	..	..	..
Old Trafford ..	2.990	..	..	..	..	..	..
Penketh	2.322	..	..	..	..	..	..
Wilmslow ....	..	..	..	..	..	..	..
Castleton Moor ..	..	..	..	..	..	..	..
Height of barometer cistern above sea level	130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	475 ft.
Barometer.	INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	29.821	29.830	29.824	29.848	29.811	29.821	..
Highest	30.162	30.120	30.090	30.014	29.650	30.200	..
Lowest	29.424	29.416	29.415	29.336	28.970	29.517	..
Range	0.738	0.704	0.684	0.678	0.680	0.683	..
Temperature.							
Adopted Mean	44.6	43.7	44.4	44.1	42.9	45.3	..
Range for Week	16.1	24.0	22.4	24.2	25.0	26.3	..
Daily Range	11.3	16.1	11.9	12.2	15.7	14.2	..
Maximum in Shade	52.6	56.0	54.5	56.3	55.5	57.7	..
Minimum in Shade	36.5	32.0	32.1	32.1	30.5	31.4	..
Temperature of Dew Point	40.0	39.6	39.2	39.1	38.3	40.8	..
Hygrometrical condition of the Atmosphere.							
Degree of Humidity (Saturation—1,000)	GRS. 0.838	GRS. 0.855	GRS. 0.816	GRS. 0.827	GRS. 0.840	GRS. 0.841	..
Prevailing Winds .....	..	SW	NE, W, NW	NW	SW	SE	..
Rain .....	..	1.430	1.312	1.207	1.410	1.152	..
Ozonometer.							
Moffat .....	..	0.00	0.85	..	..	0.00	..
Schonbein .....	..	0.00	..	2.00	1.20	1.80	..

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, OCTOBER 19, 1867.

No. 377.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue high. In the week terminating on Saturday, the 19th inst., 1591 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1470 and 1556. The deaths at the same time among patients of the poorer class amounted to 42, or 1 death to every 37 cases. This proportion of deaths to cases is considerably below the average for the present season of the year.

In the course of the week 29 cases of Scarlet Fever were observed. In our two last returns attention has been directed to the increasing prevalence of this disorder. The disease is as yet chiefly met with in the Hulme district. With the increase in the number of new cases recorded of late, there has been noticed, at the same time, a marked change in the character of the disorder. It has in numerous instances assumed a more malignant form.

The number of seizures from Continued Fever has increased in the course of the week from 76 to 83; 15 of these cases are specially referred to as examples of Typhus and 24 as Enteric Fever.

Bronchitis and kindred affections of the chest, though less prevalent than in the previous week, were still more generally met with than is usually the case at this season of the year.

Not a single case of Small-pox is entered in the return; and Measles is far less common than it was a fortnight ago.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 265 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the two previous weeks the numbers were 257 and 278.

Scarlet Fever proved fatal to 24 persons, and Continued Fever to 19.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 52.5° , or 2.4° above the average; at the Royal Infirmary it was 50.7° ; at Eccles 50.5° ; and at Old Trafford 50.3° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN		City Gaol. 15
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	5	..	..	..	..	..	..
Scarlet Fever .....	..	..	1	..	..	2	3	..	..	..	..	1	..	2	2	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	1	..	..	3	..	4	..	..	4	..	..	..	7	6	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	..	..	1	1	..	..	6	..	..	..	6	9	..
Dysentery .....	..	..	..	..	..	1	1	..	..	1	..	..	..	1	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Continued Fever.....	1	..	1	..	..	..	2	..	..	..	..	..	..	..	2	..
Typhus	1	..	..	1	..	..	2	3	3	..	..	1	..	..	..	..
Enteric or Typhoid .....	..	..	..	..	1	..	1	1	10	..	..	2	1	..	1	..
Febricula.....	..	..	2	..	..	..	2	3	1	..	..	1	..	11	1	..
Ague .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	1	..	..	1	..	1	20	1	1	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	3	5	1	2	4	11	26	15	..	45	1	1	6	19	7	4
Influenza .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	2	1	2	..	1	..	..	..	..
Phthisis .....	..	..	..	1	2	1	4	13	2	24	1	1	2	..	..	2
Constitutional Syphilis .....	..	1	..	..	..	1	2	11	3	11	..	..	2	..	6	1
All other Diseases	17	6	18	7	2	6	56	90	13	151	4	4	11	58	34	5
Accidents	1	..	..	3	..	2	6	10	16	104	..	..	2	..	..	..
TOTAL	24	15	23	15	12	28	115	148	50	376	7	13	24	104	68	19

a Removed to Workhouse.

Medical Officers to whom the Associations are attached

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCORN,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ T. HENRY PINDER,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ S. J. TRUEMAN	(15) „ J. OGDEN FILLIS,
(4) Dr. BRADDON	(8) Dr. GEORGE REED,		(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 19th day of October, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.....			646...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ..			44,850..		21739	24,448			Population in 1861.		
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	3	Small-pox .....	..
..	1	1	..	..	1	..	1	1	..	..	..	12	15	Measles	1
..	..	4	..	7	4	3	1	.	..	1	1	29	14	Scarlet Fever.	6
..	Diphtheria .....	..
..	3	..	..	2	26	5	Whooping-cough ....	..
1	1	..	..	..	..	..	2	..	Croup .....	..
2	..	5	5	..	..	1	1	1	..	..	2	45	85	Diarrhoea	2
..	4	4	Dysentery .....	..
..	Malignant Cholera ..	..
..	1	6	Erysipelas .....	..
..	..	4	..	..	..	..	1	1	..	1	..	12	83	Continued Fever ....	..
1	..	1	..	al	..	..	..	..	..	..	3	15		Typhus .....	..
..	..	3	..	..	..	4	1	..	..	..	..	24		Enteric or Typhoid ..	1
..	..	3	..	1	..	..	..	3	1	2	1	32		Febricula .....	..
..	1	..	Ague .....	..
..	2	..	..	..	..	..	..	..	2	2	..	30	71	Rheumatic Fever ....	..
..	Puerperal Fever.....	..
3	1	46	3	3	7	10	4	5	2	9	28	247	231	Bronchitis & Catarrh	7
..	..	5	..	..	..	..	..	..	..	..	..	8		Influenza .....	..
1	..	8	..	..	..	..	..	..	..	1	..	17	22	Pleurisy & Pneumonia.	..
2	..	10	..	..	..	1	..	1	1	..	2	66	56	Phthisis	5
..	..	9	4	..	..	..	1	..	..	..	5	55	51	Constitutional Syphilis	..
15	17	103	2	4	4	12	10	25	3	24	73	728	891	All other diseases	18
2	..	53	..	..	..	..	..	13	1	30	..	237		Accidents	2
27	21	255	14	16	16	32	20	53	10	70	117	1591	1537	... TOTAL	42

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) .. J. O. BRADBURY,
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. CHARLES OGDEN,
(28) .. GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	2	1	3	2	2	2	2	2	1	2	8	3
Measles	1	2	1	2	1	2	2	2	1	1	2	5	3
Whooping-cough	2	6	2	2	1	2	2	2	2	9	2	24	9
Scarlatina	1	5	1	1	2	2	5	1	3	2	2	23	12
Diarrhoea	2	2	2	3	2	a1	c3	3	e3	2	2	19	31
Fever	11	12	3	6	4	7	1	1	5	9	2	61	68
Diseases of the Lungs	17	7	12	9	14	b9	d17	8	10	18	4	125	117
Other causes													
TOTAL NO. OF DEATHS.	35	34	19	24	21	19	26	15	24	42	6	265	243
TOTAL NO. OF BIRTHS.	33	49	14	20	15	19	21	23	26	49	27	296	290

a Typhoid. b 2 Inquests. c 2 Typhoid. d 4 Inquests. e 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL.	DISEASE.	4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL.
10	26	7	43	.....Small-pox.....	4	5	6	15
..	..	..	..	.....Chicken-pox.....	3	..	..	3
106	91	61	258	.....Measles.....	40	59	36	135
62	120	125	317	.....Scarlatina.....	12	32	38	82
3	4	3	10	.....Diphtheria.....	..	1	..	1
50	39	35	124	....Whooping-cough....	68	123	89	280
1	1	..	2	.....Croup.....	1	..	2	3
1480	2349	1361	5180	.....Diarrhoea.....	513	872	656	2041
3	2	6	11	.....Dysentery.....	19	36	23	78
2	2	..	4	.....Cholera.....	..	..	..	..
9	20	13	42	.....Erysipelas.....	18	33	18	69
1	..	..	1	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	34	..	..	34
509	607	482	1598	.Bronchitis and Catarrh..	583	744	624	1951
26	30	27	83	Pleurisy and Pneumonia ..	65	93	66	224
..	..	..	..	.....Carbuncle.....	..	..	..	..
5144	6288	4910	16342	{ Accidents, and all other Diseases. }	4574	5729	4671	14974
7406	9579	7030	24015	.....TOTAL.....	5934	7727	6229	19890

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.									
Inches.			Wet Days.						
Royton	3.665	..	19	Unreduced {					
Eccles	3.421	..	19						
Old Trafford ..	2.990	..	19						
Penketh	2.322	..	15						
Wilmslow .....	..	..	..			
Castleton Moor	..	..	..			
Height of barometer cistern above sea level			130 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.703	29.692	29.960	29.681	29.671	29.670	
Highest			29.790	29.807	29.797	29.698	29.317	29.872	
Lowest			29.526	29.512	29.513	29.400	29.060	29.600	
Range			0.264	0.295	0.284	0.298	0.257	0.272	
Temperature.									
Adopted Mean			50.7	50.3	50.5	49.7	50.0	50.5	
Range for Week			17.5	19.7	23.3	20.1	22.2	22.7	
Daily Range			11.6	12.9	12.6	11.3	11.3	13.9	
Maximum in Shade			60.7	62.2	62.6	60.3	62.0	61.8	
Minimum in Shade			43.2	42.5	39.3	40.2	38.8	39.1	
Temperature of Dew Point			46.2	46.6	46.4	45.1	45.9	45.8	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.846	GRS. 0.874	GRS. 0.865	GRS. 0.855	GRS. 0.856	GRS. 0.839	
Prevailing Winds .....			..	E,SE	W,WSW	S	S,SE	S,SE	
Rain .....			..	0.797	0.766	0.843	1.095	0.916	
Ozonometer.									
Moffat .....			..	4.86	1.23	..	..	0.00	
Schonbein .....			..	2.14	..	4.57	2.80	3.30	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, OCTOBER 26, 1867.

No. 378

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 26th ultimo, 1522 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1556 and 1591. The deaths at the same time among patients of the poorer class amounted to 58, or 1 death to every 26 cases.

In the course of the week 31 cases of Scarlet Fever were recorded, a slight increase on the already heavy return of the previous week; 9 of these cases were attended by Mr. Woodcock, in the St. George's District, Hulme.

With the advance of the season Continued Fever, under its more serious forms, appears to be gaining ground, 23 out of 87 cases of this disease being assigned to Typhus, and 15 to Typhoid Fever.

Bronchitis and kindred affections of the chest, are somewhat less prevalent than they were a fortnight ago; this is probably owing to the continued mildness of the season.

In some quarters of the town Whooping-cough still continues very general.

For the last fortnight no single case of Small-pox has appeared in the returns.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 238 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the two previous weeks the rate of mortality was considerably higher.

Seventy-one deaths are assigned to Diseases of the Lungs, 21 to Diarrhœa, and 16 to Scarlet Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 52.1° , or 3.6° above the average for the season; at Old Trafford it was 52.0° ; at Eccles 51.8° ; and at the Royal Infirmary 55.8° .

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN
New Cases of Disease coming under Treatment Duri

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN		City Gaol. 15
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	2	..	..	1	1	..	..
Scarlet Fever .....	..	..	..	..	1	1	2	1	..	..	..	4	2	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	2	..	..	..	..	3	..	..	4	..	..	..	5	2	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	1	..	..	..	1	..	..	5	..	..	..	4	6	4
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	1	1	2	..	..	1	..	..	..	..	1	..
Continued Fever.....	a4	..	1	..	a1	..	6	..	..	..	..	..	1	..	1	..
Typhus	a1	a1	..	..	..	..	2	8	2	..	1	1	3	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	2	2	..	1	1	..	..	..	..
Febricula.....	..	..	1	..	2	2	5	4	..	1	..	..	..	10	1	2
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	1	1	26	..	1	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	2	1	2	3	4	13	17	1	44	1	3	8	20	16	3
Influenza .....	..	..	..	..	..	..	..	..	..	4	..	..	..	..	2	..
Pleurisy and Pneumonia....	..	..	1	..	..	..	1	3	..	2	..	1	..	..	2	..
Phthisis .....	..	..	1	..	1	..	2	10	..	18	1	1	2	4	2	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	15	..	17	..	1	..	..	1	2
All other Diseases	15	5	13	9	1	10	53	76	25	121	2	2	9	53	28	5
Accidents .....	..	..	..	..	..	..	..	6	8	120	1	4	2	..	..	..
TOTAL	22	10	19	11	10	19	91	143	39	365	7	19	28	97	62	17

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCORN,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ T. HENRY PINDER,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ S. J. TRUEMAN	(15) „ J. OGDEN FLETCHER,
(4) Dr. BRADDON	(8) Dr. GEORGE REED,		(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

UNITARY ASSOCIATION.

OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 26th day of October, 1867.

ALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477.			646.		508.	2650.						
70,967.				68,209. ..			44,850. ..		21739	24,448.						
W CT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
7	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Small-pox .....	..
..	2	4	..	3	..	..	..	..	..	..	..	14	14	Measles	1
..	..	3	..	9	..	2	4	3	..	..	1	31	9	Scarlet Fever.....	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	3	..	..	1	1	1	..	1	1	2	24	1	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	1	1	1	Croup	1
..	..	5	4	..	4	..	..	..	..	1	7	41	46	Diarrhoea	1
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Dysentery .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
1	..	..	..	..	..	1	..	..	..	..	..	6	4	Erysipelas .....	..
..	4	4	..	..	..	..	..	..	..	1	..	17	87	Continued Fever ....	..
..	..	2	..	..	..	..	..	..	..	..	4	23		Typhus	4
..	..	2	..	1	..	3	1	..	1	..	1	15		Enteric or Typhoid ..	1	
1	..	4	..	1	..	..	..	..	1	2	..	32		Febricula .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..
..	..	..	..	..	..	..	..	..	1	2	..	33	58	Rheumatic Fever ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
5	1	37	3	9	6	8	2	8	3	8	24	245	244	Bronchitis & Catarrh	8	
..	..	3	..	..	..	..	..	..	..	..	..	9		Influenza .....	..
..	2	2	..	..	..	..	..	1	..	..	..	15	21	Pleurisy & Pneumonia.	1
..	..	11	..	2	..	1	4	1	1	3	5	69	62	Phthisis	5	
..	..	5	1	..	..	..	..	..	..	..	4	47	35	Constitutional Syphilis	1
22	102	4	12	4	9	15	22	8	12	75	75	674	907	All other diseases	25	
..	47	..	1	..	..	..	13	..	20	..	..	225		Accidents	4
31	235	12	38	15	25	27	48	16	50	124	124	1522	1492	.... TOTAL	58

oted for the annexed Returns.

7) Dr. T. M. JOHNSON,
8) ,, J. O. BRADBURY,
9) ,, J. O. BRADBURY,
0) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
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(28) ,, GEORGE CLEMENTS.

reports of the Association, and has as far as practicable, been taken into account in the conclusions from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipton.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	1	..	2	..	3	3
Measles .....	..	..	..	..	..	..	..	..	..	..	..	11	4
Whooping-cough.....	5	1	..	1	..	..	1	..	..	3	..	16	9
Scarlatina .....	..	6	..	..	1	1	..	..	..	8	..	21	18
Diarrhoea	2	1	1	1	2	4	4	d1	2	2	d2	10	14
Fever	2	2	1	..	..	a1	..	..	..	1	4	71	71
Diseases of the Lungs	14	6	7	10	3	6	5	1	7	8	4	106	131
Other causes.....	10	13	13	2	6	b9	c21	8	10	9	5	238	250
TOTAL NO. OF DEATHS.	33	29	22	14	12	21	31	11	19	33	13	238	250
TOTAL NO. OF BIRTHS.	47	47	14	13	21	25	47	18	35	56	19	342	288

a Typhoid. b 1 Inquest. c 2 Inquests. d 1 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

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Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL.	DISEASE.	4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL
10	26	7	43	.....Small-pox.....	4	5	6	15
..	..	..	..	..... Chicken-pox	3	..	..	3
106	91	61	258	..... Measles	40	59	36	135
62	120	125	317	.....Scarlatina.....	12	32	33	82
3	4	3	10	..... Diphtheria .....	..	1	..	1
50	39	35	124	.... Whooping-cough	68	123	89	280
1	1	..	2	.....Croup.....	1	..	2	3
1480	2349	1361	5180	.....Diarrhoea.....	513	872	656	2041
3	2	6	11	.....Dysentery.....	19	36	23	78
2	2	..	4	..... Cholera .....	..	..	..	..
9	20	13	42	.....Erysipelas.....	13	33	18	69
1	1 Puerperal Fever
.. Insanity	34	34
509	607	482	1598	.. Bronchitis and Catarrh..	583	744	624	1951
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..Carbuncle.....
5144	6288	4910	16342	{ Accidents, and all other Diseases. }	4574	5729	4671	14974
7406	9579	7030	24015	..... TOTAL	5934	7727	6229	19890

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.									
Royton	3.665	.....	19							
Eccles	3.421	.....	19							
Old Trafford ..	2.990	.....	19							
Penketh	2.322	.....	15							
Wilmslow	2.316	.....	20							
Castleton Moor	....	.....	..				
Height of barometer cistern above sea level				180 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	175 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.004	30.010	30.011	30.019	29.998	30.003	
Highest				30.176	30.156	30.155	30.054	29.690	30.268	
Lowest				29.518	29.636	29.741	29.680	29.256	29.802	
Range				0.658	0.520	0.414	0.374	0.434	0.466	
Temperature.										
Adopted Mean				50.8	52.0	51.8	50.8	50.5	51.9	
Range for Week				20.5	30.8	30.5	27.8	29.0	31.5	
Daily Range				9.8	14.9	12.0	11.8	13.5	14.8	
Maximum in Shade				62.4	69.5	69.5	66.7	67.8	68.4	
Minimum in Shade				41.9	38.7	39.0	38.9	38.8	36.9	
Temperature of Dew Point				47.9	50.2	47.0	46.3	47.4	47.3	
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000)				0.900	0.937	0.840	0.846	0.893	0.847	
Prevailing Winds .....				..	SE	W, SW	S	SE	S, SE	
Rain .....				..	0.277	0.310	0.312	0.404	0.352	
Ozonometer.										
Moffat .....				..	2.57	1.85	..	..	0.00	
Schonbein .....				..	0.00	..	3.71	3.12	3.14	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, NOVEMBER 2, 1867. No. 379.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 2nd instant, 1450 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1591 and 1522. The deaths at the same time among patients of the poorer class amounted to 53, being in the proportion of 1 death to every 27 cases.

In the course of the week 23 Scarlet Fever cases were returned; 8 of these cases were attended by Mr. Pinder, in District II of the Royal Infirmary. We learn from Mr. Pinder that the disease is very general around the Gas Works, all the cases in his list ranging from Angel Street to Lower Tebbutt Street.

Under Continued Fever it is satisfactory to be able to record an improvement, 72 instead of 87 new cases being returned; 13 of these cases are ascribed to Typhus and 13 to Typhoid Fever.

Bronchitis and kindred affections of the respiratory organs are likewise less prevalent than they were; the new cases falling from 269 to 229.

In the course of the three last weeks no single case of Small-pox has been recorded in the public practice of the town.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 295 deaths were registered in the eleven districts which supply returns to the Sanitary Association. Thirty of these deaths were ascribed to Scarlet Fever and 24 to Continued Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48.5° , or 1.8° above the average; at Old Trafford it was 46.1° ; at Eccles 47.1° ; and at Salford Meteorological Observatory 47.9°

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.						CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2
Scarlet Fever .....	..	2	..	..	1	3	6	..	1	..	..	8	..	..	..	2
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	2	2	..	..	..	..	..	1	1	1	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	1	..	..	..	..	2	..	..	..	..	..	1	..	..	4
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..
Continued Fever.....	1	..	2	..	a1	2	6	..	..	..	..	..	1	..	..	1
Typhus .....	..	a1	..	..	..	..	1	6	..	..	..	..	..	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..
Febricula.....	..	..	1	..	..	3	4	1	1	..	..	..	..	3	..	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	a1	..	..	..	..	..	1	1	2	18	..	1	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	5	5	..	7	4	1	22	16	..	39	3	3	4	6	8	8
Influenza .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia.....	1	..	..	..	..	..	1	..	1	..	..	..	1	..	..	3
Phthisis	1	..	..	1	1	..	3	5	2	15	1	2	2	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	1	1	8	..	9	..	1	2	..	..	..
All other Diseases	14	7	7	9	4	7	48	58	26	186	4	5	7	60	32	32
Accidents	5	2	..	1	..	..	6	11	26	97	..	..	2	..	..	..
TOTAL	27	18	10	18	11	20	104	109	61	366	9	20	22	70	59	2

a Removed to Workhouse.

Medical Officers to whom the Association are indebted for their services.

- | | | | |
|-----------------------|--------------------------|---------------------------|----------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. W. E. RICHARDSON, | (13) Mr. H. RUNCOLE, |
| (2) " J. BROADBENT, | (6) Dr. LEDWARD. | (10) " T. HENRY PINDER, | (14) Dr. WHITEHEAD, |
| (3) " EDWARD MEACHAM, | (7) Mr. J. WESTMORELAND, | (11) " S. J. TRUEMAN | (15) " J. OGDEN, |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | | (16) Mr. J. TEALE, |

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

week ending the 2nd day of November, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						
1,329				477			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850.		21739	24,448				Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.	
17	18	19	20	21	22	23	24	25	26	27	28					
..	4	Small-pox .....	..
..	..	2	..	..	2	..	1	..	..	..	..	8	16	Measles .....	..
..	..	2	..	..	1	1	2	..	..	..	..	23	8	Scarlet Fever.	5
..	Diphtheria .....	..
..	2	4	..	..	..	4	..	3	..	..	..	21	9	Whooping-cough	2
..	Croup .....	..
..	..	3	4	..	..	1	2	..	..	2	3	27	64	Diarrhoea	4
..	..	2	..	..	..	..	..	..	..	..	..	3	3	Dysentery .....	..
..	Malignant Cholera ..	..
..	1	..	..	..	..	..	..	..	..	..	..	5	6	Erysipelas .....	..
1	4	3	..	1	3	..	..	1	..	1	..	23	90 {	Continued Fever ....	..
1	..	2	..	..	..	..	..	..	..	..	3	13		Typhus	6
..	..	2	..	..	..	4	2	..	..	..	..	13		Enteric or Typhoid ..	5
..	..	4	..	..	..	2	2	1	..	..	3	23		Febricula .....	..
..	Ague .....	..
..	1	..	..	..	1	1	3	..	30	79	Rheumatic Fever ....	..
..	Puerperal Fever.....	..	
2	..	41	5	3	6	8	3	7	2	10	13	210	224 {	Bronchitis & Catarrh	8	
..	..	4	..	..	..	..	..	..	..	..	..	6		Influenza .....	..
3	..	3	1	13		16	Pleurisy & Pneumonia.	1
..	..	9	2	2	3	50		39	Phthisis	5
1	..	4	2	..	..	..	..	..	1	..	4	36	30	Constitutional Syphilis	..
11	14	96	2	10	5	10	9	19	9	13	78	720	917 {	All other diseases	14	
2	..	49	..	..	..	1	1	12	..	19	..	226		Accidents	3
21	21	230	14	15	17	31	24	46	13	48	107	1450	1525	.... TOTAL	53

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) ..
 (19) .. J. O. BRADBURY,
 (20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
 (26) .. J. V. L. WESTMACOTT,
 (27) .. CHARLES OGDEN,
 (28) .. GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	..	..	..	3	1	..	1	..	5	6
Whooping-cough	5	1	..	..	1	..	2	1	2	3	1	16	2
Scarlatina	4	4	1	..	1	..	..	1	1	12	..	30	15
Diarrhoea	1	3	1	..	..	3	..	1	1	2	1	13	15
Fever .....	..	3	8	2	1	..	2	..	1	1	6	24	20
Diseases of the Lungs	6	5	8	2	4	7	3	3	8	12	7	65	90
Other causes	a 13	b 27	8	d 7	e 12	f 5	g 16	7	h 9	i 28	10	142	157
TOTAL NO. OF DEATHS.	29	43	26	11	19	15	26	14	28	59	25	295	306
TOTAL NO. OF BIRTHS.	27	45	25	23	16	31	28	23	33	58	23	332	329

a 6 Inquests. b 9 Inquests. c 4 Typhus. d 3 Inquests. e 4 Inquests. f 1 Typhus. g 1 Inquest.
h 2 Inquests. i 5 Inquests. j 4 Typhus and 2 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL.	DISEASE.	4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL
10	26	7	43	..... Small-pox	4	5	6	15
..	..	..	..	..... Chicken-pox	3	..	..	3
106	91	61	258	..... Measles	40	59	36	135
62	120	125	317	..... Scarlatina	12	32	38	82
3	4	3	10	..... Diphtheria .....	..	1	..	1
50	39	35	124	.... Whooping-cough	68	123	89	280
1	1	..	2	..... Croup	1	..	2	3
1480	2349	1361	5180	..... Diarrhoea	513	872	656	2041
3	2	6	11	..... Dysentery	19	36	23	78
2	2	..	4	..... Cholera .....	..	..	..	..
9	20	13	42	..... Erysipelas	18	33	18	69
1	..	..	1	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	34	..	..	34
509	607	482	1598	. Bronchitis and Catarrh..	583	744	624	1951
26	30	27	83	Pleurisy and Pneumonia ..	65	93	66	224
..	..	..	..	..... Carbuncle .....	..	..	..	..
5144	6288	4910	16342	{ Accidents, and all other Diseases. }	4574	5729	4671	14974
7406	9579	7030	24015	..... TOTAL	5934	7727	6229	19890

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN OCTOBER.			Royal Infirmary, Dr. REED.	Salford Meteorolog. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	
	Inches.	Wet Days.								
Royton	4.624	21								
Old Trafford ..	3.979	22								
Penketh	3.898	21								
Eccles .....	....	..						
Wilmslow ....	....	..						
Castleton Moor	....	..						
Height of barometer cistern above sea level			NO RETURN.	130 ft. INS.	108 ft. INS.	123 ft. INS.	145 ft. INS.	251 ft. INS.	544 ft. INS.	44 ft. INS.
Barometer.										
Mean @ 32° F., and reduced to sea level										
Highest..... } Unreduced {										
Lowest..... } Unreduced {										
Range										
Temperature.										
Adopted Mean										
Range for Week										
Daily Range.....										
Maximum in Shade ,.....										
Minimum in Shade										
Temperature of Dew Point										
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)										
Prevailing Winds										
Rain										
Ozonometer.										
Moffat.....										
Schonbein										

ERRATUM.—For the week ending Oct. 19, the mean reading of the Barometer for Eccles should be 29.690, instead of 29.960.
November 2, 1867.
JOHN HEAP, Royton, Oldham.
Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, NOVEMBER 9, 1867.

No. 380.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The last disease returns are not satisfactory. In the week ending on Saturday, the 9th instant, 1545 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1522 and 1450. The deaths at the same time among patients of the poorer class amounted to 52, being in the proportion of 1 death to every 29 cases.

Twenty-five cases of Scarlet Fever were recorded in the course of the week,—a large proportion of these cases occurred in the Hulme District. Although this disease has not yet assumed the widespread prevalence of an “Epidemic” it has still appeared that in not a few instances the symptoms by which it has been accompanied have been of a highly malignant character.

Under Continued Fever we observe this week a decided improvement, the seizures falling from 72 to 56.

In some quarters of the town Whooping-cough is still very general,—29 cases being entered in the return.

With the advance of the season Bronchitis and kindred affections of the chest are becoming more general,—the return for this week gives 277—for the previous week it did not exceed 229.

Small-pox, after disappearing from the disease returns for three consecutive weeks, once more figures in the present report—two new cases being seen among the patients of the Salford Hospital.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 233 deaths were registered in the eleven districts which supply returns to the Sanitary Association. Twenty of these deaths are ascribed to Scarlet Fever, 13 to Continued Fever, and 78 to Diseases of the Lungs.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 41.9° , which is 3.5° below the average of the same week in fifty years; at Old Trafford it was 40.9° ; at Eccles 42.4° ; and at the Salford Meteorological Observatory 44.0° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.						CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	City of Salford 15
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	2	..	..	1	..	3	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	..	..	..	..	3	..	3	..	2	..	1	3	3	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	1	2	..	..	5	..	..	..	3	3	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa .....	..	..	..	..	..	1	1	..	..	5	1	..	3	4	5	..
Dysentery .....	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	4	..	1	..	..	1	6	..	..	..	..	..	..	2	1	..
Typhus .....	..	..	..	..	..	..	..	5	..	..	..	3	2	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..
Febricula .....	..	..	..	..	2	1	3	2	..	..	..	..	..	6	..	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	1	..	..	1	3	2	26	1	2	2	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	5	3	2	2	5	6	23	19	..	46	2	3	3	4	10	..
Influenza .....	..	..	..	1	..	..	1	..	..	5	..	..	..	..	1	..
Pleurisy and Pneumonia .....	..	..	..	..	..	..	..	1	..	4	2	..	..	1	1	..
Phthisis .....	..	..	..	..	..	..	..	10	1	20	1	2	4	1	1	..
Constitutional Syphilis	1	..	..	..	..	1	2	9	..	10	1	1	..	1	..	..
All other Diseases	23	6	11	1	6	8	55	71	17	130	4	3	10	69	43	..
Accidents .....	..	..	..	1	..	2	3	8	16	120	..	3	..	..	..	..
TOTAL	34	11	14	6	17	22	104	129	38	372	13	20	28	91	65	19

Medical Officers to whom the Association are indebted for their services.

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCORN,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ T. HENRY PINDER,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ S. J. TRUEMAN	(15) „ J. OGDEN FILLARD,
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over; this fact has several times been noticed.

SANITARY ASSOCIATION.

REPORTS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 9th day of November, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.		
..... 1,329 .....					..... 477.....			... 646...		508.	..... 2650.....			Area in Statute Acres.				
..... 70,967. ....					... 68,209. ...			.. 44,850..		21739	..... 24,448			Population in 1861.				
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS.					POOR LAW DISTRICT.			POOR LAW DISTRICT.	ARDWICK & ANCOATS DISPENSARY.	CHORLTON UNION WORKHOUSE.	Total.	Corresponding Week last Year.	DISEASES.
Green-gate.	Regent Road.	Workhouse.	Dispensary.	New Bailey.	St. George's.	Medlock.	St. Philip's.	Poor Law District.	Dispensary.	Poor Law District.								
6	17	18	19	20	21	22	23	24	25	26	27	28						
..	...	..	2	..	..	..	..	..	..	..	..	..	2	3	Small-pox .....	..	
..	..	1	3	..	..	1	..	1	2	..	1	..	12	12	Measles .....	..	
..	..	..	2	..	3	1	4	2	1	..	..	..	25	5	Scarlet Fever.....	6		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..	
..	..	..	3	..	3	..	3	1	5	..	..	1	29	3	Whooping-cough	2		
..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	1		
1	1	..	3	3	..	..	..	..	..	..	2	2	36	38	Diarrhoea	1		
..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	Dysentery .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..	
..	..	..	1	..	..	..	..	..	..	..	..	..	1	8	Erysipelas .....	..	
1	..	..	3	..	..	2	..	..	..	..	..	..	15	91	Continued Fever	1		
..	..	..	2	..	..	..	..	..	..	..	..	2	14		Typhus .....	..	
..	..	..	3	..	..	..	..	1	..	..	..	..	6		Enteric or Typhoid ..	..	
..	..	..	3	..	..	..	..	1	5	..	..	1	21		Febricula .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..	
1	..	..	..	..	..	..	..	..	..	..	2	..	40	65	Rheumatic Fever ....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..		
3	5	2	43	6	8	6	3	9	13	4	9	31	257	198	Bronchitis & Catarrh	8		
..	..	..	..	..	..	..	..	..	..	..	..	..	7		Influenza .....	..	
..	1	..	2	..	..	..	..	..	1	..	..	..	13	22	Pleurisy & Pneumonia.	4		
1	..	..	11	..	1	..	1	1	4	..	3	7	71	58	Phthisis	6		
1	1	..	5	1	..	..	..	..	..	..	..	6	41	42	Constitutional Syphilis	..		
3	7	12	86	4	14	6	4	18	22	2	15	98	707	874	All other diseases	18		
2	1	..	59	..	..	..	..	..	8	..	25	..	245		Accidents	5		
3	16	15	231	14	29	16	15	34	62	6	57	148	1545	1420	.... TOTAL	52		

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) ,, J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
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(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. JohnE.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowci.	Regent-rd. Dis., Mr. Lipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	1	2	..	1	..	4	..
Measles	3	2	..	..	..	..	1	..	..	6	..	12	3
Whooping-cough.....	3	1	..	1	1	1	1	..	..	6	..	20	14
Scarlatina .....	..	2	4	..	..	1	..	..	..	..	2	9	14
Diarrhoea	4	1	21	1	61	..	21	..	1	3	..	13	22
Fever .....	..	6	5	14	2	9	3	6	6	15	5	78	69
Diseases of the Lungs	16	9	7	..	4	4	21	8	8	15	5	97	103
Other causes.....													
TOTAL NO. OF DEATHS.	33	27	17	16	8	15	23	16	15	46	12	233	225
TOTAL NO. OF BIRTHS.	39	39	11	13	17	26	29	19	32	56	22	303	288

a Typhus. b Typhoid. c 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL.	DISEASE.	4 Weeks ending 27th July.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	TOTAL
10	26	7	43	.....Small-pox.....	4	5	6	15
..	..	..	..	..... Chicken-pox	3	..	..	3
106	91	61	258	..... Measles	40	59	36	135
62	120	125	317	.....Scarlatina.....	12	32	38	82
3	4	3	10	..... Diphtheria .....	..	1	..	1
50	39	35	124	.... Whooping-cough	68	123	89	280
1	1	..	2	.....Croup.....	1	..	2	3
1480	2349	1361	5180	.....Diarrhoea	513	872	656	2041
3	2	6	11	.....Dysentery.....	13	36	23	78
2	2	..	4	..... Cholera .....	..	..	..	..
9	20	13	42	.....Erysipelas.....	18	23	18	69
1	..	..	1	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity	34	..	..	34
509	607	482	1598	Bronchitis and Catarrh..	583	744	624	1951
26	30	27	83	Pleurisy and Pneumonia ..	65	93	66	224
..	..	..	..	.....Carbuncle.....	..	..	..	..
5144	6288	4910	16342	{ Accidents, and all other Diseases. }	4574	5729	4671	14974
7406	9579	7030	24015	..... TOTAL	5934	7727	6229	19890

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN OCTOBER.				Royal Infirmary, Dr. REED.	Salford Meteorologi. Observatory, T. Mackreth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	
	Inches.	Wet Days.									
Royton	4.624	.....	21								
Old Trafford ..	3.979	.....	22								
Penketh	3.898	.....	21								
Wilmslow	3.754	.....	23								
Eccles .....	....	.....	..					
Castleton Moor	....	.....	..					
Height of barometer cistern above sea level				NO RETURN.							
Barometer.					130 ft. INS.	108 ft. INS.	123 ft. INS.	145 ft. INS.	251 ft. INS.	544 ft. INS.	43 ft. INS.
Mean @ 32° F., and reduced to sea level						30.487	30.537	30.487	30.491	30.473	30.479
Highest.....						30.553	30.562	30.553	30.448	30.077	30.650
Lowest						30.197	30.210	30.197	30.114	29.728	30.304
Range						0.356	0.352	0.356	0.334	0.349	0.346
Temperature.											
Adopted Mean						44.0	40.9	42.4	40.9	41.4	43.0
Range for Week						22.3	21.8	21.5	23.3	25.0	29.9
Daily Range						11.9	16.3	14.0	15.3	15.4	17.6
Maximum in Shade						53.7	53.0	52.5	49.2	52.0	55.1
Minimum in Shade						31.4	31.2	31.0	33.9	29.0	25.2
Temperature of Dew Point						42.0	37.8	39.4	37.8	39.5	40.3
Hygrometrical condition of the Atmosphere.											
Degree of Humidity (Saturation—1,000)						GRS. 0.928	GRS. 0.888	GRS. 0.888	GRS. 0.887	GRS. 0.927	GRS. 0.902
Prevailing Winds						NW, NE	S, SW	NW, NE	SW	SW	NW, NE
Rain						0.032	0.060	0.019	0.021	0.110	0.023
Ozonometer.											
Moffat.....						0.15	0.86	1.14	....	....	0.00
Schonbein .....						....	0.00	....	2.86	1.20	1.40

November 9, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, NOVEMBER 16, 1867.

No. 381.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 16th instant, 1517 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1450 and 1545. The deaths at the same time among patients of the poorer class amounted to 41, or 1 death to every 37 cases,—a proportion considerably below the average for the season.

It is satisfactory to find an improvement under Scarlet Fever, the new cases falling from 25 to 19, though the disease is still pretty general in the Hulme District.

With the advance of the season Continued Fever appears to be gaining ground, 80 instead of 56 cases being entered in the returns; 25 of these cases are referred to as examples of true Typhus.

Bronchitis and kindred affections of the chest have become more general of late, the respective numbers in the three last returns being 229, 277 and 302.

The seizures from Whooping-cough which a fortnight ago did not exceed 21 rose last week to 37; 10 of these patients were treated by the medical staff of St. Mary's Hospital, and nine at the Clinical Hospital.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 266 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the two previous weeks the numbers were 295 and 233. Eighty-three of these deaths were assigned to Diseases of the Lungs, and 22 to Scarlet Fever.

In London, according to the last return of the Registrar General the deaths fell short of the estimated average by 98.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 45.0° , or 1.5° above the average; at the Salford Observatory it was 41.5° ; at Eccles 40.6° ; and at Old Trafford 39.7° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	ROYAL INFIRMARY.						CHILDREN		City Gaol. 15
								Workhouse. 7	In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..
Scarlet Fever	1	..	..	..	..	1	2	..	..	..	..	4	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	2	..	..	..	..	2	4	..	..	2	..	..	..	10	9	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	..	..	1	..	1	2	..	..	6	..	..	1	1	3	3
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	1	2	1	..	..	..	..	..
Continued Fever	a2	..	..	..	1	..	3	..	..	..	..	..	..	..	..	..
Typhus .....	..	..	..	..	..	..	..	7	5	..	1	4	3	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..
Febricula	4	..	..	..	..	2	6	1	..	..	..	..	..	4	3	2
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	..	..	..	3	2	24	1	1	1	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	10	2	2	3	2	7	26	18	3	48	1	3	6	5	11	4
Influenza .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Pleurisy and Pneumonia	1	..	..	..	..	..	1	3	..	2	1	..	..	1	2	2
Phthisis .....	..	..	..	..	..	..	..	9	1	21	..	2	1	..	1	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	15	1	..	1	2	1	5
All other Diseases	18	8	12	8	4	13	63	37	23	137	2	9	11	71	22	3
Accidents .....	..	..	2	..	..	1	3	8	18	121	..	2	..	..	..	..
TOTAL	38	10	16	12	7	28	111	100	53	380	8	26	24	95	52	19

a Removed to Workhouse. b All removed to Workhouse, eight of the cases from a two-room'd house.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCORN
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ T. HENRY PINDER,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ S. J. TRUEMAN	(15) „ J. OGDEN FLEET
(4) Dr. BRADDON	(8) Dr. GEORGE REE,	(12) „	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 16th day of November, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209.			44,850..		21739	24,448				Population in 1861.		
LAW DISTRICT.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28	Total.	Corresponding Week last Year.			
..	5	Small-pox .....	..
..	..	2	..	2	..	..	1	..	..	2	..	9	24	Measles .....	..
..	..	4	..	2	3	2	1	..	1	..	..	19	6	Scarlet Fever.....	1	
..	Diphtheria .....	..
..	..	4	..	2	..	2	..	..	..	2	2	37	2	Whooping-cough ....	..
..	4	Croup .....	..
..	..	6	3	..	..	..	..	1	..	..	4	30	57	Diarrhœa	3	
..	1	Dysentery .....	..
..	Malignant Cholera ..	..
..	1	..	..	..	..	7	8	Erysipelas .....	..
..	12	4	..	..	..	1	..	..	..	1	..	32	81 {	Continued Fever ....	..
..	..	2	..	..	..	..	..	..	..	..	3	25		Typhus	3	
..	..	3	..	..	..	..	..	..	..	..	1	7		Enteric or Typhoid ..	1	
1	..	4	..	..	..	..	1	6	..	..	..	28		Febricula .....	..
..	Ague .....	..
..	1	1	1	6	..	41	41	Rheumatic Fever ....	..
..	Puerperal Fever.....	..	
6	..	41	4	6	12	4	9	14	4	8	36	280	229 {	Bronchitis & Catarrh	6	
..	..	3	..	..	..	..	..	..	..	..	..	5		Influenza .....	..
1	..	2	..	..	..	1	..	1	..	..	..	17	28	Pleurisy & Pneumonia.	2	
..	..	13	..	2	..	..	5	1	..	4	2	62	64	Phthisis	7	
..	..	4	..	..	..	..	..	..	..	1	3	45	29	Constitutional Syphilis	1	
13	9	95	3	7	6	7	12	10	5	12	77	642	798 {	All other diseases	16	
..	..	40	..	..	..	1	2	13	..	23	..	231		Accidents	1	
21	21	227	10	21	21	18	33	47	11	59	128	1517	1372	... TOTAL	41	

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. CHARLES OGDEN,
(28) .. GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions
a from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. John.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tiddle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	1	..	..	1	1	..	..	2	6	7
Whooping-cough.....	2	1	..	2	..	..	..	1	1	6	..	14	3
Scarlatina.....	6	..	..	2	..	..	1	..	2	10	..	22	5
Diarrhoea	1	..	..	..	..	1	2	..	1	..	..	6	11
Fever	1	..	2	..	2	3	1	..	..	1	..	11	22
Diseases of the Lungs	6	9	15	14	4	9	3	5	6	11	..	83	80
Other causes.....	11	9	22	69	8	7	12	9	10	21	6	124	115
TOTAL NO. OF DEATHS.	23	19	39	28	14	20	20	16	20	49	13	266	243
TOTAL NO. OF BIRTHS.	41	41	17	18	14	32	31	15	29	61	19	318	273

a 1 Typhus. b 4 Inquests. c 1 Typhus and 1 Gastric. d Typhoid. e 3 Inquests. f 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL.	DISEASE.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL
26	7	11	44	.....Small-pox.....	5	6	1	12
91	61	113	270	.....Chicken-pox.....	..	..	..	..
120	125	121	366	.....Measles.....	59	36	63	158
4	3	2	9	.....Scarlatina.....	32	38	113	183
39	35	51	125	.....Diphtheria.....	1	..	1	2
1	..	7	8	.....Whooping-cough....	123	89	102	314
2349	1361	458	4168	.....Croup.....	..	2	3	5
2	6	5	13	.....Diarrhoea.....	872	656	225	1753
2	..	..	2	.....Dysentery.....	36	23	14	73
20	13	23	56	.....Cholera.....	..	..	..	..
..	..	..	..	.....Erysipelas.....	33	18	15	66
..	..	..	..	.....Puerperal Fever....	..	..	..	..
607	482	898	1987	.....Insanity.....	..	..	..	..
30	27	43	100	.....Bronchitis and Catarrh..	744	624	993	2361
..	..	..	..	Pleurisy and Pneumonia ..	93	66	57	216
6288	4910	4716	15914	.....Carbuncle.....	..	..	..	..
9579	7030	6453	23062	{ Accidents, and all other Diseases. }	5729	4671	4552	14952
..	..	..	..	.....TOTAL.....	7727	6229	6139	20095

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN OCTOBER.			Royal Infirmary, Dr. REED.	Salford Meteorologi- cal Observa- tory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Inches.	Wet Days.								
Royton	4.624	21							
Old Trafford ..	3.979	22							
Penketh	3.898	21							
Wilmslow	3.754	23							
Eccles	4.100	23							
Castleton Moor	....	..					
Height of barometer cistern above sea level			130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.023	30.023	30.035	30.023	30.013	30.009	30.017
Highest.....			30.495	30.495	30.498	30.495	30.380	30.000	30.595
Lowest.....			29.377	29.434	29.434	29.377	29.312	28.940	29.482
Range			1.118	1.064	1.064	1.118	1.068	1.060	1.113
Temperature.									
Adopted Mean			41.5	39.7	40.6	40.3	40.8	42.0	
Range for Week			23.0	23.8	21.7	24.9	24.9	17.9	
Daily Range.....			6.9	9.3	7.4	7.0	12.2	6.6	
Maximum in Shade			55.0	53.8	52.7	54.3	53.0	52.0	
Minimum in Shade			32.0	30.0	31.0	29.4	28.1	35.0	
Temperature of Dew Point			41.0	36.5	37.6	36.8	39.0	39.8	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Prevaling Winds			0.968	0.888	0.896	0.872	0.936	0.913	
Rain			SE	SE	SE	SE	E	E	
Ozonometer.			0.443	0.570	0.502	0.587	0.650	0.628	
Moffat.....			....	1.86	1.71	....	....	0.00	
Schonbein.....			....	0.00	....	2.14	2.20	1.40	

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, NOVEMBER 23, 1867.

No. 38

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 23rd instant, 1493 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1545 and 1496. The deaths at the same time among patients of the poorer class amounted to 59, or 1 death to every 25 cases.

Scarlet Fever appears to be once more on the increase, 30 instead of 19 new cases being entered in the returns, 5 of these cases were attended by the Medical Officers of the Salford Hospital, and 5 by Mr. Williamson, in St. Philips district, Hulme.

Continued Fever is still very general in many quarters of the town, 76 fresh seizures being recorded during the week; 24 of these cases are assigned to true Typhus.

Bronchitis and kindred affections of the chest, including Pneumonia and Plurisy, are considerably more prevalent than in the corresponding period of last year.

Not a single case of Small-pox was recorded during the week; while Measles appears almost exclusively confined to some few quarters of the town.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 298 deaths were registered in the eleven districts which supply returns to the Sanitary Association; in the two previous weeks the numbers were 233 and 266. The Registrar General in referring to the mortality of Manchester remarks that "Manchester is still conspicuous for its high death-rate."

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39.6° ; at the Royal Infirmary it was 40.9° ; at the Salford Observatory 38.3° ; at Eccles 36.9° ; and at Old Trafford 36.2° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFO

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC IN
New Cases of Disease coming under Treatment Dur

DISEASES.	MANCHESTER.														
	Manchester Township 1,645														
	Population in 1861 185,050														
	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
	1	2	3	4	5	6		7	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	8	9	10	11	12	13	14	15							
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	2	..	4	..	..	6	..	..	..	..	..	..	..	..
Scarlet Fever	1	2	..	..	3	..	6	..	..	2	..	4	3	..	1
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	..	..	..	..	1	2	3	..	..	6	..	..	1	6	4
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	2	..	..	..	..	..	2	..	..	1	..	..	..	2	1
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	3	..	2	..	..	..	..	..
Continued Fever	a4	..	1	..	..	..	5	..	..	..	..	..	1	..	..
Typhus	..	..	..	..	1	..	1	6	4	..	1	1	4	..	..
Enteric or Typhoid	..	..	..	..	..	..	..	3	..	..	..	..	1	..	1
Febricula	2	..	2	..	1	1	6	2	..	4	1	..	..	6	..
Ague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	..	..	..	..	1	1	2	2	3	27	..	1	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	2	6	..	2	4	2	16	16	1	54	3	6	9	23	5
Influenza	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
Pleurisy and Pneumonia	1	..	..	..	..	..	1	3	..	..	..	..	1	1	4
Phthisis	..	..	1	1	..	..	2	7	2	23	1	1	2	..	2
Constitutional Syphilis	..	..	1	1	..	..	2	9	..	11	..	..	1	..	2
All other Diseases	22	10	11	9	4	8	64	40	30	139	4	3	5	44	20
Accidents	4	..	..	2	2	3	11	8	19	111	1	..	2	..	..
TOTAL	38	20	16	19	17	17	127	99	59	382	11	16	30	82	38

a Removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT.

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEF,
- (9) Mr. W. E. RICHARDSON,

(10) „ T. HENRY PINDER,

(11) „ S. J. TRUEMAN

(12)
- (13) Mr. H. RUNCORN

(14) Dr. WHITEHEAD

(15) „ J OGDEN FLE

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

ck ending the 23rd day of November, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477.			646.		508.	2650.			Area in Statute Acres.		
70,967.				68,209.			44,850.		21739	24,448.			Population in 1861.		
LAW DISTRICT.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Small-pox .....	..
..	..	3	..	1	..	..	..	..	..	..	..	10	17	Measles .....	..
..	..	5	..	1	..	5	2	1	..	..	..	30	15	Scarlet Fever.....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	1	1	.	2	..	1	..	3	..	2	..	30	5	Whooping-cough	2
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Croup .....	..
..	..	4	3	..	..	..	1	..	..	..	4	22	46	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Dysentery .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
1	1	..	..	..	..	..	..	..	..	..	..	7	5	Erysipelas .....	..
..	..	5	..	..	..	..	..	..	..	..	..	11	70	Continued Fever ....	..
..	..	2	..	..	..	2	..	..	..	1	2	24		Typhus	2
..	..	2	..	..	..	..	..	..	..	..	..	8		Enteric or Typhoid ..	..
2	..	3	..	..	..	2	3	4	..	..	..	33		Febricula .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..
..	1	9	1	..	..	..	1	..	..	5	..	52	56	Rheumatic Fever ....	..
..	..	..	..	..	..	..	7	..	..	..	..	7	..	Puerperal Fever.....	1
10	1	37	5	4	8	8	..	10	4	11	34	279	257	Bronchitis & Catarrh	7
..	..	4	..	..	..	..	..	..	..	..	..	6		Influenza .....	..
..	..	3	..	..	..	..	..	..	..	..	..	13	25	Pleurisy & Pneumonia.	3
1	..	9	..	..	..	1	1	3	..	3	2	60	55	Phthisis	13
..	..	7	..	..	..	1	1	..	1	..	5	43	37	Constitutional Syphilis	..
14	22	67	4	7	5	7	19	21	2	18	70	616	885	All other diseases	26
..	..	52	..	1	1	..	2	12	..	20	..	241		Accidents	4
28	26	214	13	16	14	27	37	54	7	60	117	1493	1475	... TOTAL	59

debted for the annexed Returns.

- (17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,
- (21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,
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(26) .. J. V. L. WESTMACOTT,
(27) .. CHARLES OGDEN,
(28) .. GEORGE CLEMENTS.

e reports of the Association, and has as far as practicable, been taken into account in the conclusions n from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles	1	..	..	1	..	..	..	1	1	2	3	9	11
Whooping-cough.....	6	2	..	1	1	..	..	..	1	3	..	14	3
Scarlatina	2	8	..	..	..	1	1	..	2	7	2	23	8
Diarrhœa	1	1	2	..	..	2	..	..	..	..	1	7	11
Fever	1	1	3	..	..	3	2	2	..	3	9	16	11
Diseases of the Lungs	16	11	5	5	4	11	12	2	7	19	5	97	72
Other causes.....	15	18	15	10	5	7	18	8	15	14	7	132	109
TOTAL NO. OF DEATHS.	42	41	25	17	10	24	33	13	26	48	19	298	226
TOTAL NO. OF BIRTHS.	39	36	10	17	28	34	29	13	36	51	21	314	293

a 2 Typhus and 1 Scarlet. b 3 Inquests. c Typhoid. d 1 Typhus and 1 Typhoid. e 1 Inquest. f 2 Inquests.
g Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL.	DISEASE.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL
26	7	11	44	.....Small-pox.....	5	6	1	12
..	..	..	..	.....Chicken-pox.....	..	..	..	..
91	61	113	270	.....Measles.....	59	36	63	158
120	125	121	366	.....Scarlatina.....	32	38	113	183
4	3	2	9	.....Diphtheria.....	1	..	1	2
39	35	51	125	....Whooping-cough....	123	89	102	314
1	..	7	8	.....Croup.....	..	2	3	5
2349	1361	458	4168	.....Diarrhœa.....	872	656	225	1753
2	6	5	13	.....Dysentery.....	36	23	14	73
2	..	..	2	.....Cholera.....	..	..	..	..
20	13	23	56	.....Erysipelas.....	33	18	15	66
..	..	..	..	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	..	..	..	..
607	482	898	1987	Bronchitis and Catarrh..	744	624	993	2361
30	27	43	100	Pleurisy and Pneumonia..	93	66	57	216
..	..	..	..	.....Carbuncle.....	..	..	..	..
6288	4910	4716	15914	{ Accidents, and all other Diseases. }	5729	4671	4552	14952
9579	7030	6453	23062	.....TOTAL.....	7727	6229	6139	20095

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN OCTOBER.			Royal Infirmary, Dr. REED.	Salford Meteorolog. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Inches.	Wet Days.								
Royton	4.624	21							
Old Trafford ..	3.979	22							
Penketh	3.898	21							
Wilmslow	3.754	23							
Eccles	4.100	23							
Castleton Moor .....	..	..					
Height of barometer cistern above sea level			130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.476	30.469	30.472	30.469	30.463	30.459	30.470
Highest.....	Unreduced {		30.530	30.559	30.580	30.559	30.484	30.120	30.688
Lowest			29.970	30.027	30.021	30.027	29.904	29.555	30.132
Range			0.560	0.532	0.559	0.532	0.580	0.565	0.556
Temperature.									
Adopted Mean			40.9	38.3	36.2	36.9	34.6	36.0	36.7
Range for Week			22.0	14.3	21.0	21.2	20.1	19.1	25.8
Daily Range			10.2	8.2	11.5	12.8	13.6	11.0	14.5
Maximum in Shade			55.0	47.4	49.0	48.4	47.3	48.5	50.0
Minimum in Shade			33.0	33.1	28.0	27.2	27.2	29.4	24.2
Temperature of Dew Point			37.5	33.6	31.2	32.4	30.1	32.7	32.3
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0.878	0.836	0.824	0.838	0.835	0.877	0.839
Prevailing Winds .....			....	N,NW	S,NE	NW,NE	....	NW	N,NW
Rain .....			....	....	0.000	....	0.000	0.000	0.090
Ozonometer.									
Moffat.....			....	....	0.00	0.71	....	....	0.00
Schonbein .....			....	....	0.00	....	2.00	2.00	0.00

November 23, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, NOVEMBER 30, 1867. No. 383.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease and death returns are still unsatisfactory. In the week ending on Saturday, the 30th ultimo, 1562 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1496 and 1493. The deaths at the same time among patients of the poorer class amounted to 58, being in the proportion of 1 death to every 27 cases.

The most unfavourable feature in the present return is the marked increase under the column devoted to the affections of the respiratory organs. In the previous week the seizures from disorders of this class did not exceed 298, last week they rose to 363. We see in these figures the effects of the cold on the poorer classes of the population.

Continued Fever is still very general, 87 cases being recorded in the course of the week; of these 87 cases 23 are ascribed to true Typhus.

Under Scarlet Fever it is satisfactory to record a decided improvement, the new cases falling from 30 to 15.

At the same time Whooping-Cough appears to be gaining ground though not to any very great extent.

In the case of the other diseases tabulated in this return nothing unusual was observed. Not a single case of Small-pox was seen during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 293 deaths were registered in the eleven districts which supply returns to the Sanitary Association: in the two previous weeks the numbers were 266 and 298.

Diseases of the Lungs proved fatal to 87 persons, and Scarlet Fever to 23.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 37.7° or 3.5° below the average; at the Royal Infirmary it was 40.1° ; at Salford Observatory 38.3° ; at Old Trafford 36.2° ; and at Eccles 36.5° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres.....								Manchester Township 1,645							
Population in 1861.....								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..
Scarlet Fever .....	..	..	3	..	..	..	3	..	..	..	..	..	2	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	1	..	..	..	..	1	..	..	2	..	..	1	3	11
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	..	..	..	..	..	..	3	..	..	..	8	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	4	..	..	..	..	..
Continued Fever.....	1	..	..	..	a1	1	3	..	..	..	..	..	..	..	..
Typhus .....	..	..	..	..	..	..	..	6	6	..	..	3	2	..	..
Enteric or Typhoid .....	..	a1	..	..	..	..	1	4	..	..	..	..	..	..	..
Febricula.....	3	2	..	..	..	..	5	1	..	..	..	..	..	3	3
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	..	1	1	2	3	2	23	..	2	2	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	7	8	4	4	5	8	36	19	1	63	5	3	11	25	5
Influenza .....	..	..	..	..	..	..	..	..	..	7	..	..	..	..	..
Pleurisy and Pneumonia....	1	..	..	..	1	1	3	5	..	..	1	1	1	..	3
Phthisis .....	..	1	..	1	1	..	3	7	..	17	2	1	1	1	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	13	..	17	..	..	..	..	2
All other Diseases	26	5	19	3	2	11	66	47	18	163	1	2	4	50	28
Accidents	1	..	2	1	1	..	5	10	12	97	3	..	1	..	..
TOTAL	39	18	28	10	12	22	129	117	39	397	12	12	25	90	52

a Removed to Workhouse.

Medical Officers to whom the Associatio

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT.

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD.

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEL,
- (9) } Mr. W. E. RICHARDSON,

(10) } „ T. HENRY PINDER,

(11) } „ S. J. TRUEMAN

(12) }
- (13) Mr. H. RUNCOI

(14) Dr. WHITEHEA

(15) „ J OGDEN F

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 30th day of November, 1867.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						DEATHS.
... 1,329 .....					... 477 .....			... 646 ...		508	... 2650				Area in Statute Acres.	
... 70,967. ....					... 68,209. ...			... 44,850. ...		21739	... 24,448				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												DISEASES.
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
6	17	18	19	20	21	22	23	24	25	26	27	28					
	..	..	..	..	..	..	..	..	..	..	..	..	..	5	Small-pox .....	..
	..	..	3	..	1	..	2	1	..	..	1	1	11	16	Measles .....	..
2	..	..	4	..	..	1	2	1	..	..	..	..	15	8	Scarlet Fever.	1
	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Diphtheria .....	..
	..	..	2	..	..	..	5	2	4	..	..	1	32	5	Whooping-cough	1
	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
1	2	..	3	2	..	..	..	..	1	..	2	2	27	57	Diarrhoea	1
	..	..	..	..	..	..	..	..	..	..	..	..	..	4	Dysentery .....	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
	..	..	2	..	1	..	..	..	..	..	..	1	10	8	Erysipelas .....	..
1	..	7	6	..	..	6	1	..	..	..	1	..	26	89	Continued Fever ....	..
	1	..	2	..	..	..	..	..	..	..	..	3	23		Typhus	3
	2	..	3	..	..	..	1	1	..	..	..	..	12		Enteric or Typhoid ..	1
	..	..	2	..	1	..	2	1	6	..	2	..	26		Febricula .....	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..
	..	..	7	..	..	..	..	..	..	..	1	2	44	77	Rheumatic Fever ....	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever .....	..
1	7	3	36	3	17	11	10	11	5	2	9	32	327	250	Bronchitis & Catarrh	9	
	..	..	6	..	..	..	..	..	..	..	..	..	13		Influenza .....	..
	..	..	4	..	..	..	..	..	..	2	2	1	23	27	Pleurisy & Pneumonia.	6
	..	1	8	..	2	..	..	..	2	..	2	6	57	67	Phthisis	11
	..	..	5	1	1	..	..	1	..	..	..	6	49	40	Constitutional Syphilis	..
14	20	91	2	14	3	8	8	14	26	4	10	60	660	821	All other diseases	24	
1	..	39	..	4	..	1	1	1	9	..	22	..	207		Accidents	1	
27	31	223	8	41	21	32	32	33	53	8	52	115	1562	1477	TOTAL	58	

ndeighted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) ..
(19) .. J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) .. JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) .. J. V. L. WESTMACOTT,
(27) .. CHARLES OGDEN,
(28) .. GEORGE CLEMENTS.

he reports of the Association, and has as far as practicable, been taken into account in the conclusions
wn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	2	3	13
Measles	1	..	1	..	..	2	3	1	2	1	..	13	1
Whooping-cough.....	2	1	1	..	..	2	3	1	2	1	..	13	1
Scarlatina	1	6	..	..	1	2	3	..	1	6	3	23	7
Diarrhœa .....	..	1	..	2	2	5	..	..	1	..	..	11	8
Fever	1	1	5	1	2	a1	1	..	..	..	1	13	18
Diseases of the Lungs	13	14	7	5	5	8	5	2	7	18	3	87	54
Other causes.....	15	7	14	4	20	b10	c17	d10	12	24	e10	143	145
TOTAL NO. OF DEATHS.	33	30	27	12	30	28	29	13	23	49	19	293	246
TOTAL NO. OF BIRTHS.	36	38	28	12	17	28	24	20	30	57	12	302	370

a Typhus. b 3 Inquests. c 1 Inquest. d 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL.	DISEASE.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL
26	7	11	44	.....Small-pox.....	5	6	1	12
..	..	..	..	..... Chicken-pox .....	..	..	..	..
91	61	113	270	..... Measles	59	36	63	158
120	125	121	366	.....Scarlatina.....	32	38	113	183
4	3	2	9	..... Diphtheria	1	..	1	2
39	35	51	125	.... Whooping-cough	123	89	102	314
1	..	7	8	.....Croup.....	..	2	3	5
2349	1361	458	4168	.....Diarrhœa.....	872	656	225	1753
2	6	5	13	.....Dysentery.....	36	23	14	73
2	..	..	2	..... Cholera .....	..	..	..	..
20	13	23	56	.....Erysipelas.....	23	18	15	66
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
..	..	..	..	..... Insanity .....	..	..	..	..
607	482	898	1987	.....Bronchitis and Catarrh..	744	624	993	2361
30	27	43	100	Pleurisy and Pneumonia ..	93	66	57	216
..	..	..	..	..... Carbuncle .....	..	..	..	..
6288	4910	4716	15914	{ Accidents, and all other Diseases. }	5729	4671	4552	14952
9579	7030	6453	23062	..... TOTAL	7727	6229	6139	20095

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Salford Meteorolog. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.
Inches.	Wet Days.								
Old Trafford ..	2.431	..... 8							
Royton	2.315	..... 11							
Penketh	2.231	..... 9							
Wilmslow .....	.....	.....					
Eccles .....	.....	.....					
Castleton Moor	.....	.....					
Height of barometer cistern above sea level	130 ft.	108 ft.					251 ft.	544 ft.	44 ft.
Barometer.	INS.	INS.					INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level	30.246	30.242					30.242	30.230	30.233
Highest.....	30.620	30.549					30.549	30.082	30.652
Lowest	29.392	29.313					29.313	28.802	29.376
Range	1.228	1.236					1.236	1.280	1.276
Temperature.									
Adopted Mean	40.1	38.3						35.7	36.8
Range for Week	20.5	22.8						27.7	28.0
Daily Range	3.7	8.1						12.0	13.6
Maximum in Shade	50.5	48.5						50.0	49.6
Minimum in Shade	30.0	25.7						22.3	21.6
Temperature of Dew Point	37.5	34.7						34.5	35.1
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)	GRS. 0.907	GRS. 0.876						GRS. 0.952	GRS. 0.935
Prevailing Winds .....	.....	NW, SW						NE	W, SW
Rain .....	.....	1.484						1.185	1.520
Ozonometer.									
Moffat .....	.....	.....			2.71	0.14		.....	0.00
Schonbein .....	.....	.....			0.71	.....		2.30	1.10

November 30, 1867.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.]

WEEK ENDING SATURDAY, DECEMBER 7, 1867.

No. 384.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 7th instant, 1445 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1493 and 1562. The deaths relatively to cases were numerous, 1 case in every 22 terminating fatally.

Under Bronchitis and kindred affections of the chest we observe this week a considerable improvement, the new cases falling from 363 to 319.

The seizures from Continued Fever likewise were far less numerous than in the previous week, 59 instead of 87 patients applying for relief, of these 59 cases only 8 are set down to true Typhus.

In some quarters of the town Scarlet Fever is very general, 5 new cases having come under the observation of Mr. Williamson, in St. Philips' District, Hulme.

During the last three weeks not a single case of Small-Pox has been recorded in the public practice of the town.

In respect to the other diseases included in the return there is nothing calling for special comment.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

During the last three weeks the variation in the death-rate of Manchester and Salford has been singularly trifling, the number of deaths registered being 298, 293 and 298.

Diseases of the Lungs, Scarlet Fever, and Whooping-Cough all proved unusually fatal.

In London, according to the last return of the Registrar General the deaths exceeded the estimated number by 34.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 35.7° or 6.4° below the average; at the Royal Infirmary it was 37.2° ; at the Salford Observatory 35.9° ; at Eccles 34.8° ; and at Old Trafford 34.5° . The Lowest reading of the Thermometer (18.4°) was that observed at Penketh.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								,, ,, 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts.	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN	
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Scarlet Fever .....	..	1	2	..	..	1	4	..	..	..	..	2	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	3	..	..	..	1	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	..	..	..	..	..	1	2	..	4	..	1	..	3	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	1	..	..	1	..	..	..	..	..	1	..	..
Continued Fever.....	a3	..	1	..	..	1	5	..	..	..	..	..	..	..	..
Typhus .....	..	..	..	..	..	..	..	4	1	..	..	1	1	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..
Febricula.....	1	..	1	1	..	7	10	..	..	2	..	..	..	6	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever	a1	..	..	..	2	..	3	3	2	24	..	1	1	..	..
Puerperal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	8	5	3	5	3	16	40	17	..	38	2	4	10	13	5
Influenza .....	..	..	..	..	..	..	..	2	..	6	..	..	..	..	..
Pleurisy and Pneumonia....	1	..	..	..	1	1	3	4	..	2	..	..	..	..	1
Phthisis	2	..	..	1	1	..	4	7	3	16	1	1	1	1	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	14	..	1	..	..	2
All other Diseases	23	6	14	13	7	5	68	45	16	118	3	5	8	49	22
Accidents	2	1	..	1	2	3	9	6	19	80	1	..	3	..	..
TOTAL	43	14	21	22	16	34	150	100	42	307	7	16	26	73	34

a Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCOF
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ T. HENRY PINDER,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ S. J. TRUEMAN	(15) „ J. OGDEN F
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12)	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 7th day of December, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477			646 ..		508	2650						
70,967.				68,209. ..			44,850..		21739	24,448						
LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.		Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.							Dispensary.	
17	18	19	20	21	22	23	24	25	26	27	28					
...	4	Small-pox .....	..
..	..	2	..	..	2	..	..	..	..	4	..	9	16	Measles	1
..	..	3	..	..	..	5	..	1	..	2	..	18	8	Scarlet Fever.	1
..	Diphtheria .....	..
..	..	4	..	..	..	..	..	2	..	..	2	17	..	Whooping-cough	3
..	Croup .....	..
..	..	2	2	..	..	1	..	..	..	..	3	24	33	Diarrhoea .....	..
..	2	Dysentery .....	..
..	Malignant Cholera ..	..
..	1	..	..	..	..	..	..	..	3	5	Erysipelas .....	..
..	4	4	..	..	3	..	..	..	..	..	..	16	85 {	Continued Fever ....	..
..	..	1	..	..	..	..	..	..	..	..	..	8		Typhus	4
..	..	2	..	..	..	..	..	..	1	..	..	6		Enteric or Typhoid ..	2
2	..	5	..	..	..	..	2	2	..	..	..	29		Febricula .....	..
..	Ague .....	..
..	1	6	1	..	..	..	1	..	1	6	..	51	68	Rheumatic Fever ....	..
..	Puerperal Fever .....	..
10	2	41	2	9	3	7	7	20	7	15	27	288	260 {	Bronchitis & Catarrh	12	
..	..	5	..	..	..	..	..	..	..	..	..	14		Influenza .....	..
..	..	3	..	1	1	2	17		20	Pleurisy & Pneumonia.	3
1	..	10	1	1	5	1	1	4	7	69		57	Phthisis	12
..	..	3	..	..	..	..	1	..	..	..	2	34	32	Constitutional Syphilis	..
11	24	83	2	13	2	7	19	29	7	15	67	627	897 {	All other diseases	27	
3	..	56	1	..	..	..	1	5	..	30	..	215		Accidents	2
27	31	230	9	24	10	21	36	60	17	77	110	1445	1487	... TOTAL	67	

debted for the annexed Returns

(17) Dr. T. M. JOHNSON,
(18) ..
(19) J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) ,, JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) ,, J. V. L. WESTMACOTT,
(27) ,, CHARLES OGDEN,
(28) ,, GEORGE CLEMENTS.

the reports of the Association, and has as far as practicable, been taken into account in the conclusions drawn from the weekly returns.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	2	1	1	1	..	1	..	..	2	..	4	12	9
Whooping-cough.....	1	4	1	..	..	1	2	..	5	6	3	23	1
Scarlatina	2	2	2	..	1	..	2	..	3	8	2	22	8
Diarrhoea	2	..	..	..	2	3	1	..	..	..	..	8	7
Fever .....	..	1	3	..	..	..	2	..	..	..	d1	7	21
Diseases of the Lungs	18	19	12	5	2	5	3	2	6	14	4	90	84
Other causes.....	12	11	21	b2	10	9	17	b10	c12	22	10	136	116
TOTAL NO. OF DEATHS.	37	38	40	8	15	19	27	12	28	50	24	298	246
TOTAL NO. OF BIRTHS.	30	32	10	15	9	19	33	14	36	60	20	278	278

a Typhus. b 1 Inquest. c 3 Inquests. d Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL.	DISEASE.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL
26	7	11	44	.....Small-pox.....	5	6	1	12
..	..	..	..	.....Chicken-pox.....	..	..	..	..
91	61	113	270	.....Measles.....	59	36	63	158
120	125	121	366	.....Scarlatina.....	32	38	113	183
4	3	2	9	.....Diphtheria.....	1	..	1	2
39	35	51	125	....Whooping-cough....	123	89	102	314
1	..	7	8	.....Croup.....	..	2	3	5
2349	1361	458	4168	.....Diarrhoea.....	872	656	225	1753
2	6	5	13	.....Dysentery.....	36	23	14	73
2	..	..	2	.....Cholera.....	..	..	..	..
20	13	23	56	.....Erysipelas.....	23	18	15	66
..	..	..	..	....Puerperal Fever....	..	..	..	..
..	..	..	..	.....Insanity.....	..	..	..	..
607	482	898	1987	.Bronchitis and Catarrh..	744	624	993	2361
30	27	43	100	Pleurisy and Pneumonia..	93	66	57	216
..	..	..	..	.....Carbuncle.....	..	..	..	..
6288	4910	4716	15914	{ Accidents, and all other Diseases. }	5729	4671	4552	14952
9579	7030	6453	23062	..... TOTAL	7727	6229	6139	20095

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	
	Inches.	Wet Days.								
Old Trafford ..	2.431								8
Royton	2.315								11
Penketh	2.231								9
Eccles	2.159	.....	9						
Wilmslow	1.453	.....	11						
.....							
Height of barometer cistern above sea level			130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.	
Mean @ 32° F., and reduced to sea level			29.927	29.947	29.966	29.947	29.929	29.963	29.952	
Highest.....			30.286	30.251	30.266	30.251	30.150	29.808	30.360	
Lowest			29.011	29.047	28.850	29.047	28.860	28.390	29.120	
Range			1.275	1.204	1.416	1.204	1.290	1.418	1.240	
Temperature.										
Adopted Mean			37.2	35.9	34.5	34.6	33.4	33.0	34.8	
Range for Week			26.0	30.5	32.0	31.1	34.4	32.3	34.9	
Daily Range.....			5.4	9.1	10.7	10.7	12.8	10.5	11.3	
Maximum in Shade			54.0	55.6	54.0	53.1	52.9	53.0	53.3	
Minimum in Shade			28.0	25.1	22.0	22.0	18.5	20.7	18.4	
Temperature of Dew Point			33.6	32.1	32.2	31.7	30.0	31.2	31.4	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)			GRS. 0.870	GRS. 0.890	GRS. 0.910	GRS. 0.880	GRS. 0.874	GRS. 0.930	GRS. 0.871	
Prevailing Winds .....			....	N,NW	NW,S	N,NW	NW	NW	N,NW
Rain .....			....	9.738	0.984	0.738	1.174	1.230	0.940
Ozonometer.										
Moffat.....			....	0.15	1.86	4.00	....	....	0.00
Schonbein .....			....	....	0.00	....	2.71	0.00	0.90

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, DECEMBER 14, 1867. No. 385.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns are still high. In the week ending on Saturday, the 14th instant, 1614 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1562 and 1445. The deaths at the same time among patients of the poorer class amounted to 74, being in the proportion of 1 death to every 22 cases.

Under Continued Fever we observe this week a marked rise, 74 instead of 59 cases being entered in the return; 23 of these cases are referred to as examples of Typhus.

Bronchitis and kindred affections of the chest are likewise gaining ground, 379 cases being seen in the course of public practice, or 60 more than in the previous week.

In some quarters of the town Whooping Cough appears to be very general; in our previous return only 17 cases were recorded, in this, 33.

Scarlet Fever is likewise on the increase, though not to any very great extent.

Not a single case of Small-Pox was returned during the week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 299 deaths were registered in the eleven districts of the Sanitary Association. In the two previous weeks the returns nearly exactly corresponded, the numbers being 293 and 298.

Diseases of the Lungs proved fatal to 102 persons, Scarlet Fever to 20, and Whooping Cough to 20.

In London, according to the last return of the Registrar General the deaths exceeded the estimated number by 215.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 38.4° ; at the Royal Infirmary it was 42.3° ; at Eccles 41.9° ; and at the Salford Observatory 42.9° .

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres								Manchester Township 1,645								
Population in 1861								" " 185,050								
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's 1	St. Andrew's 2	St. George's 3	Cathedral 4	St. Jude's 5	St. Michael's 6	Total of Districts. 7	Workhouse. 7	ROYAL INFIRMARY.					CHILDREN		City Gaol. 15
									In- patients. 8	Out- patients. 9	District I. 10	District II. 11	District III. 12	St. Mary's Hospital. 13	Clinical Hospital. 14	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	4	..	1	..	..	6	..	..	1	..	..	..	1	..	..
Scarlet Fever .....	..	..	..	..	1	..	1	..	..	3	..	4	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	3	..	1	1	..	2	7	..	..	4	..	..	3	1	8	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	3	..	..	3	..	1	7	4	..	4	..	1	1	4	3	..
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	a3	..	4	..	..	..	7	..	..	..	..	..	..	..	1	..
Typhus .....	..	..	..	..	..	2	2	11	2	..	2	..	1	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Febricula	2	..	2	..	..	..	4	1	..	5	..	..	..	6	2	..
Ague .....	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	1	..	..	1	2	..	14	1	..	..	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	6	4	4	8	9	10	41	20	..	57	3	5	9	26	10	3
Influenza .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pleurisy and Pneumonia	3	2	..	..	..	..	5	6	..	3	1	1	..	..	1	1
Phthisis .....	..	..	..	1	1	..	2	6	..	26	1	..	1	1	1	2
Constitutional Syphilis	1	..	..	1	..	..	2	7	..	17	..	..	..	..	1	2
All other Diseases	22	7	10	8	1	8	56	70	27	148	4	4	10	52	21	3
Accidents	1	..	..	..	..	4	5	9	12	104	..	1	4	..	..	..
TOTAL	45	17	21	24	12	27	146	136	41	389	12	17	30	91	48	16

a Removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. J. WESTMORELAND,

(8) Dr. GEORGE REEF,
- (9) } Mr. W. E. RICHARDSON,

(10) } „ T. HENRY PINDER,

(11) } „ S. J. TRUEMAN

(12) }
- (13) Mr. H. RUNCORN

(14) Dr. WHITEHEAD

(15) „ J. OGDEN FLEMING

(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 14th day of December, 1867.

SALFORD.				HULME.			CHORL- TON.	ARD- WICK	PENDLETON AND PENDLEBURY.				
1,329				477.			646. ...	508.	2650.....			Area in Statute Acres.	
70,967.				68,209. ...			44,850.	21739	24,448			Population in 1861.	
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS									
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.
17	18	19	20	21	22	23	24	25	26	27	28		
..	3
..	..	3	..	1	1	..	..	..	..	2	..	16	10
..	..	2	..	1	..	4	3	..	..	3	..	22	4
..	1
..	..	3	..	..	..	2	1	2	..	2	..	33	2
..	..	1	..	1	..	..	..	..	..	..	..	2	2
1	..	3	2	..	..	2	1	2	..	..	1	41	29
..	..	1	..	..	..	1	1	..	..	..	..	4	2
..
..	..	1	..	..	..	..	..	..	1	..	2	4	6
..	2	3	..	..	2	..	..	1	..	1	..	17	
..	..	2	..	..	..	..	..	..	..	..	2	23	67
..	..	3	..	..	..	..	..	..	..	..	..	4	
2	..	4	..	..	..	1	..	4	..	..	..	30	
..	2	..
..	1	5	..	..	..	..	..	..	..	5	..	29	79
..
8	4	39	7	5	12	13	8	9	6	14	32	345	
..	..	6	..	..	..	..	..	..	..	..	..	6	258
..	..	2	..	1	..	1	..	..	..	4	1	28	25
..	..	11	1	3	..	..	..	1	..	2	8	66	49
1	..	5	1	..	..	..	4	..	..	..	6	46	38
14	20	82	3	8	9	10	9	18	4	6	73	665	843
2	..	45	..	..	..	4	1	13	1	26	..	231	
28	27	221	14	20	24	38	28	50	12	65	125	1614	1418
TOTAL													74

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) „ J. O. BRADBURY,
(20) Dr. BRADDON,

(21) Mr. S. WOODCOCK,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. J. T. CALDWELL,
(26) „ J. V. L. WESTMACOTT,
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Small Pox	1	1
Measles	1	3	8	6
Whooping-cough.....	2	3	1	2	..	1	2	1	3	4	1	20	5
Scarlatina	2	5	..	1	1	1	2	..	3	4	1	20	6
Diarrhoea	2	2	..	1	1	1	2	9	6
Fever	1	1	2	1	1	3	d 3	..	f 2	14	17
Diseases of the Lungs	14	10	15	4	4	10	5	2	15	17	6	102	70
Other causes.....	7	a 18	15	b 7	9	c 8	b 24	2	e 8	21	..	126	132
TOTAL NO. OF DEATHS.	28	37	33	16	15	22	33	9	35	49	22	299	243
TOTAL NO. OF BIRTHS.	42	37	15	31	18	45	46	29	28	29	22	342	362

a 2 Inquests. b 1 Inquest. c 5 Inquests. d 1 Typhus and 1 Typhoid. e 1 Diphtheria. f 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL.	DISEASE.	5 Weeks ending 31st Aug.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	TOTAL
26	7	11	44	.....Small-pox.....	5	6	1	12
..	..	..	..	.....Chicken-pox.....	..	..	..	..
91	61	118	270	.....Measles.....	59	36	63	158
120	125	121	366	.....Scarlatina.....	32	38	113	183
4	3	2	9	.....Diphtheria.....	1	..	1	2
39	35	51	125	....Whooping-cough....	123	89	102	314
1	..	7	8	.....Croup.....	..	2	3	5
2349	1361	458	4168	.....Diarrhoea.....	872	656	225	1753
2	6	5	13	.....Dysentery.....	36	23	14	73
2	..	..	2	.....Cholera.....	..	..	..	..
20	13	23	56	.....Erysipelas.....	33	18	15	66
..Puerperal Fever....
..Insanity.....
607	482	898	1987	..Bronchitis and Catarrh..	744	624	993	2361
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..Carbuncle.....
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9579	7030	6453	23062 TOTAL	7727	6229	6139	20095

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN NOVEMBER.				Royal Infirmary, Dr. REED.	Salford Meteorologi. Observatory, T. Mackereth, Esq.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.
Inches.	Wet Days.									
Old Trafford ..	2.431	.....	8							
Royton	2.315	.....	11							
Penketh	2.231	.....	9							
Eccles	2.159	.....	9							
Wilmslow	1.453	.....	11							
.....							
Height of barometer cistern above sea level				130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.056	30.091		30.091	30.101	30.071	30.091
Highest.....				30.204	30.181		30.181	30.060	29.706	30.296
Lowest				29.617	29.563		29.563	29.506	29.100	29.658
Range				0.587	0.618		0.618	0.554	0.606	0.628
Temperature.										
Adopted Mean				42.3	42.9		41.9	41.8	40.2	42.5
Range for Week				18.5	19.0		21.2	22.9	27.0	24.2
Daily Range				3.5	7.1		9.2	7.4	9.8	7.9
Maximum in Shade				49.8	50.0		50.1	49.5	49.0	51.2
Minimum in Shade				31.0	31.1		28.9	26.6	22.0	27.0
Temperature of Dew Point				39.0	41.6		39.3	37.7	38.6	37.7
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)				GRS. 0.870	GRS. 0.952	NO RETURN.	GRS. 0.913	GRS. 0.858	GRS. 0.940	GRS. 0.904
Prevailing Winds .....				....	N,NW		W,NW	W,NW	NW	NW
Rain .....				....	1.131		1.310	1.185	1.125	1.031
Ozonometer.										
Moffat.....				....	0.28		5.28	....	....	0.00
Schonbein .....				....	....		....	7.00	5.20	3.60

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. VII.] WEEK ENDING SATURDAY, DECEMBER 21, 1867. No. 386.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The disease returns continue high. In the week ending on Saturday, the 21st instant, 1592 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the numbers were 1445 and 1614. The deaths at the same time among patients of the poorer class amounted to 66, being in the proportion of 1 death to every 24 cases.

In the course of the last fortnight there has been a marked increase under Continued Fever, the new cases rising from 59 to 91; 33 of these cases are ascribed to true Typhus. No fewer than 18 of these patients were admitted into the Manchester Workhouse.

Scarlet Fever is another disease which appears to be gaining ground. In our previous return 22 seizures were recorded, in this 34; 8 of these cases were attended by the medical officers of the Salford Hospital and 7 by those of the Chorlton Dispensary.

Another disease very prevalent at the present time is Whooping-Cough; 57 cases were seen during the week. The disorder is especially general in Hulme and Salford.

Under diseases of the respiratory organs it is satisfactory to be able to record an improvement, 324 instead of 379 being entered in the return.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 290 deaths were registered in the eleven districts which supply returns to the Sanitary Association. In the two previous weeks the numbers were 298 and 299.

Scarlet Fever proved fatal to 23 persons, Whooping-Cough to 28, and Diseases of the Lungs to 75.

In London, according to the last return of the Registrar General the deaths exceeded the estimated number by 74.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 41.0° ; at the Royal Infirmary it was 44.1° ; at the Salford Observatory 41.6° ; and at Eccles 39.9° .

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								,, ,, 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	1	2	3	4	5	6	Total of Districts.	Workhouse.	ROYAL INFIRMARY					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	..	..	1	..	..	..	..	..	1	..	..
Scarlet Fever .....	..	1	..	..	..	1	2	..	1	..	..	6	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	1	2	..	5	..	8	..	..	4	..	..	..	2	12
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	..	..	..	..	..	..	..	..	6	1	..	..	4	2
Dysentery .....	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Continued Fever	2	..	3	2	..	..	7	..	..	..	..	..	..	..	..
Typhus	1	..	..	..	..	..	1	18	1	..	1	3	..	..	..
Enteric or Typhoid .....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
Febricula	2	..	2	..	..	..	4	..	..	3	..	2	..	2	1
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	1	..	1	2	6	4	25	..	..	5	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	10	5	5	6	6	8	40	25	2	59	2	5	4	10	9
Influenza .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Pleurisy and Pneumonia .....	..	..	1	..	1	..	2	6	1	2	..	..	..	..	2
Phthisis .....	..	..	..	2	1	..	3	8	..	23	..	..	3	1	1
Constitutional Syphilis .....	..	..	..	1	..	..	1	7	..	15	..	..	2	..	2
All other Diseases	22	6	15	5	3	9	60	97	28	73	2	5	8	44	26
Accidents	2	..	..	3	1	1	7	5	15	148	..	..	5	..	..
TOTAL	39	15	28	20	17	20	139	175	52	360	7	22	28	63	55

a Removed to Workhouse.

Medical Officers to whom the Association are indebted for their assistance

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCOF,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD.	(10) „ T. HENRY PINDER,	(14) Dr. WHITEHEAD,
(3) „ EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) „ S. J. TRUEMAN	(15) „ J. OGDEN F.
(4) Dr. BRADDON	(8) Dr. GEORGE REEL,	(12)	(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 21st day of Decemler, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508	2650			Area in Statute Acres.		
70,967.				68,209. ...			44,850. ...		21739	24,448			Population in 1861.		
PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
1	1	..	..	..	..	..	..	..	..	..	..	2	3	Small-pox .....	..
..	..	4	..	..	..	..	..	..	..	..	..	6	16	Measles .....	..
5	..	8	..	1	1	3	..	7	..	..	..	34	7	Scarlet Fever.	4
..	..	1	..	..	..	..	..	..	..	..	..	1	..	Diphtheria .....	..
..	..	10	..	2	2	7	3	3	..	2	2	57	3	Whooping-cough	4
..	..	..	..	..	..	..	..	..	..	..	1	1	1	Croup .....	..
1	..	2	2	..	..	..	..	..	..	..	5	29	41	Diarrhoea	1
..	..	1	..	..	..	..	..	..	..	..	..	4	2	Dysentery .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Malignant Cholera ..	..
..	..	..	..	..	..	..	..	..	..	..	1	3	6	Erysipelas .....	..
..	..	7	..	..	4	..	..	1	..	..	..	20	76	Continued Fever	1
..	2	2	..	..	..	..	..	..	..	..	5	33		Typhus	2
..	..	6	..	1	..	..	..	..	..	..	..	9		Enteric or Typhoid ..	..
1	1	8	..	..	..	3	..	..	..	..	2	29		Febricula .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ague .....	..
..	2	4	..	1	2	..	1	..	..	3	..	55	65	Rheumatic Fever ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Puerperal Fever.....	..
4	2	35	6	6	10	6	10	8	2	10	24	297	227	Bronchitis & Catarrh	11
..	..	5	..	..	..	..	..	..	..	..	..	7		Influenza .....	..
.	..	3	..	..	..	..	..	..	1	2	1	22	9	Pleurisy & Pneumonia.	2
1	..	9	..	2	3	..	1	1	..	1	2	60	52	Phthisis	14
2	..	4	1	..	..	..	1	..	..	..	3	40	27	Constitutional Syphilis	1
11	26	71	2	10	10	1	17	14	4	10	81	614	838	All other diseases	22
1	..	46	..	..	..	2	3	9	2	26	..	269		Accidents	4
27	34	226	11	23	32	22	36	43	9	54	127	1592	1373	TOTAL ..	66

debted for the annexed Returns.

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Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Mr. C. F. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Serby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	1	..	..	..	..	..	1	..	2	9
Whooping-cough.....	5	6	1	..	..	..	3	2	3	3	5	23	3
Scarlatina	4	4	..	..	..	1	1	1	5	4	3	23	11
Diarrhœa	1	..	1	..	1	2	1	1	..	1	1	9	10
Fever	1	2	2	..	1	..	c3	..	1	1	d1	12	11
Diseases of the Lungs	11	..	8	4	3	11	1	4	14	10	2	75	36
Other causes.....	22	a12	13	b6	19	b10	13	10	b8	19	f9	141	143
TOTAL NO. OF DEATHS.	44	31	25	11	24	24	22	18	31	39	21	290	274
TOTAL NO. OF BIRTHS.	37	54	16	20	22	24	28	17	31	40	19	308	304

a 1 Inquest. b 2 Inquests. c 1 Typhus and 1 Typhoid. d Typhoid. f 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	TOTAL.	DISEASE.	4 Weeks ending 28th Sep.	4 Weeks ending 26th Oct.	5 Weeks ending 30th Nov.	TOTAL
7	11	4	22	.....Small-pox.....	6	1	2	9
..	..	..	..	..... Chicken-pox .....	..	..	..	..
61	118	169	348	..... Measles	36	63	50	149
125	121	117	363	.....Scarlatina.....	38	113	112	263
3	2	3	8	..... Diphtheria .....	..	1	..	1
35	51	50	136	.... Whooping-cough	89	102	149	340
..	7	5	12	.....Croup.....	2	3	2	7
1361	458	228	2047	.....Diarrhœa.....	656	225	142	1023
6	5	5	16	.....Dysentery.....	23	14	5	42
..	..	..	..	..... Cholera .....	..	..	..	..
13	23	38	74	.....Erysipelas.....	18	15	20	63
..	..	..	..	.... Puerperal Fever ....	..	..	7	7
..	..	..	..	..... Insanity .....	..	..	..	..
482	898	1073	2453	. Bronchitis and Catarrh..	624	993	1390	3007
27.	43	65	135	Pleurisy and Pneumonia ..	66	57	79	202
..	..	..	..	.....Carbuncle.....	..	..	..	..
4910	4716	4503	14129	{ Accidents, and all other Diseases. }	4671	4552	5599	14822
7030	6453	6260	19743	..... TOTAL	6229	6139	7567	19935

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Salford Meteorologl. Observatory, T. Mackereth, Esq.	Old Trafford, G. V. VERNON, Esq	Eccles, T. MACKERETH Esq	Wilmslow, J. THOMPSON, Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	
	Inches.	Wet Days.								
Old Trafford ..	2.431								8
Royton	2.315								11
Penketh	2.231								9
Eccles	2.159	.....	9						
Wilmslow	1.453	.....	11						
.....							
Height of barometer cistern above sea level			130 ft.	108 ft.	123 ft.	145 ft.	251 ft.	544 ft.	44 ft.	
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.	
Mean @ 32° F., and reduced to sea level			29.700	29.710	29.710	29.710	29.695	29.703	29.703	
Highest.....			29.824	29.843	29.843	29.843	29.403	29.940	29.940	
Lowest			29.384	29.367	29.367	29.367	28.911	29.478	29.478	
Range			0.440	0.476		0.476	0.492	0.462	0.462	
Temperature.										
Adopted Mean			44.1	41.6		39.9		39.2	41.0	
Range for Week			25.3	26.5		28.5		28.0	31.9	
Daily Range			8.0	7.7		8.5		9.9	8.3	
Maximum in Shade			54.3	55.1		54.5		51.7	56.3	
Minimum in Shade			29.0	28.6		26.0		23.7	24.4	
Temperature of Dew Point			40.3	39.6		36.7		37.8	36.9	
Hygrometrical condition of the Atmosphere.										
Degree of Humidity (Saturation—1,000)			GRS. 0.865	GRS. 0.822	NO RETURN.	GRS. 0.888	NO	GRS. 0.950	GRS. 0.928	
Prevailing Winds .....			....	W,SW		W,WNW		W	W,NW
Rain .....			....	1.384		1.456		1.600	1.004
Ozonometer.										
Moffat .....			....	....		1.85		....	0.00
Schonbein .....			....	....		....		1.80	0.70

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

[VOL. VII.] WEEK ENDING SATURDAY, DECEMBER 28, 1867. No. 387.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 28th instant, 1401 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two previous weeks the returns were considerably heavier, the numbers being 1614 and 1592. The deaths in the course of the week among patients of the poorer class amounted to 65, being in the proportion of 1 death to every 21 cases.

It is satisfactory to find a marked improvement under the columns devoted to many of the more important diseases. This improvement was especially marked under Continued Fever, the seizures falling from 91 to 63; 27 of these cases are assigned to Typhus Fever.

Scarlet Fever, though still very general in certain quarters of the town, is not so prevalent as it was, the attacks falling from 34 to 24.

Under Whooping-Cough also there is a marked improvement, 37 instead of 57 cases being returned.

Disorders connected with the respiratory organs, Bronchitis, Influenza, &c., are far less common than they were a fortnight ago; at that time 379 cases were recorded during the week---in this return only 254.

No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 259 deaths were registered in the eleven districts which supply returns to the Sanitary Association. In the two previous weeks the numbers were 299 and 290.

Eighty-four deaths are assigned to Diseases of the Lungs, 24 to Whooping-Cough, and 19 to Scarlet Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was $37\cdot2^{\circ}$; at the Salford Observatory it was $39\cdot8^{\circ}$; and at Eccles $39\cdot2^{\circ}$.

JOHN ED. MORGAN, M.D., M.A. Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	1 St. Peter's	2 St. Andrew's	3 St. George's	4 Cathedral	5 St. Jude's	6 St. Michael's	Total of Districts.	7 Workhouse.	ROYAL INFIRMARY.					CHILDREN		15 City of Salford
									In- patients.	Out- patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..
Scarlet Fever .....	..	..	..	..	..	1	1	..	..	..	..	4	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	3	..	..	..	..	3	2	..	4	..	..	..	2	2	..
Croup	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Diarrhœa	1	..	..	2	..	..	3	5	..	2	..	..	..	3	1	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malignant Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..
Continued Fever	a1	..	2	..	..	1	4	..	..	..	..	..	..	..	..	..
Typhus .....	..	..	..	..	1	..	1	12	4	..	2	..	2	..	..	..
Enteric or Typhoid .....	..	1	..	..	a1	..	2	2	..	..	..	..	..	..	..	..
Febricula	1	..	..	..	1	..	2	..	..	..	..	..	..	..	1	..
Ague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever .....	..	..	..	1	..	..	1	14	3	23	1	..	..	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis and Catarrh	1	2	3	2	4	4	16	30	..	44	1	3	4	14	8	..
Influenza .....	..	..	..	..	..	..	..	6	..	3	1	..	..	..	..	..
Pleurisy and Pneumonia	1	1	..	..	..	..	2	4	..	1	..	..	..	..	3	..
Phthisis .....	..	..	1	..	1	..	2	10	..	19	..	2	2	..	..	..
Constitutional Syphilis	1	..	..	..	..	..	1	6	..	13	..	..	1	..	..	..
All other Diseases	11	4	16	1	6	9	47	103	19	119	2	4	6	40	27	..
Accidents .....	..	..	1	2	..	1	4	7	19	100	1	1	1	..	..	..
TOTAL	18	11	23	8	14	17	91	203	45	328	8	14	17	60	42	10

a Removed to Workhouse.

Medical Officers to whom the Association are indebted for their services.

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. W. E. RICHARDSON,	(13) Mr. H. RUNCORN,
(2) " J. BROADBENT,	(6) Dr. LEDWARD,	(10) " T. HENRY PINDER,	(14) Dr. WHITEHEAD,
(3) " EDWARD MEACHAM,	(7) Mr. J. WESTMORELAND,	(11) " S. J. TRUEMAN	(15) " J. OGDEN FLEMING,
(4) Dr. BRADDON	(8) Dr. GEORGE REED,		(16) Mr. J. TEALE,

N.B.—Certain diseases, such as fever, insanity, &c., are sometimes transferred from the out-door medical relief to the workhouse, and are then reported twice over this fact has several times been noticed

ANITARY ASSOCIATION.

TONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 28th day of December, 1867.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646		508	2650				Area in Statute Acres.		
70,967.				68,209.			44,850.		21739	24,448				Population in 1861.		
LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												DISEASES.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	2	Small-pox .....	..
..	..	2	..	..	..	..	..	..	..	..	..	4	16	Measles .....	..
1	..	5	..	..	2	4	4	..	..	3	..	24	4	Scarlet Fever .....	..
..	Diphtheria .....	..
..	..	7	..	5	1	2	1	2	2	2	2	37	..	Whooping-cough	3	
..	1	..	Croup	1	
..	..	4	3	..	..	..	..	4	..	..	8	36	29	Diarrhoea .....	..
..	1	..	..	..	..	1	3	Dysentery .....	..
..	Malignant Cholera ..	..
..	1	..	..	..	4	4	Erysipelas .....	..
..	..	5	..	..	2	..	..	..	..	..	..	11	108	Continued Fever ....	..
..	2	1	..	..	..	..	..	..	..	..	2	27		Typhus	3
..	..	2	..	..	..	..	2	..	..	..	..	8		Enteric or Typhoid ..	1
..	1	7	..	1	..	1	1	1	..	2	..	17		Febricula .....	..
..	Ague .....	..
..	1	5	..	1	..	..	..	..	1	3	..	53	48	Rheumatic Fever ....	..
..	Puerperal Fever .....	..
3	..	33	4	3	8	1	8	8	1	8	17	221	225	Bronchitis & Catarrh	10	
..	..	4	..	..	..	..	..	..	..	..	..	15		Influenza .....	..
..	..	2	..	..	..	2	..	2	1	..	1	18	21	Pleurisy & Pneumonia.	2
..	..	7	..	2	..	1	3	1	..	2	4	57	51	Phthisis	13	
..	..	4	..	2	..	..	1	..	..	..	3	32	25	Constitutional Syphilis	1
16	25	51	3	7	2	6	17	19	5	10	71	610	745	All other diseases	29	
1	..	44	..	1	..	1	..	20	3	20	..	225		Accidents	2	
21	29	183	10	22	15	18	38	58	13	50	108	1401	1281	... TOTAL	65	

ndebted for the annexed Returns.

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Small Pox
Measles	3	1	1	5	13
Whooping-cough.....	8	5	..	1	..	1	1	1	1	4	2	24	2
Scarlatina	3	2	1	..	2	2	1	..	1	19	6
Diarrhoea	1	1	2	8
Fever	1	2	1	1	5	21
Diseases of the Lungs	16	9	17	2	1	10	2	5	9	7	6	84	75
Other causes.....	14	12	13	8	20	8	11	9	6	12	7	120	125
TOTAL NO. OF DEATHS.	46	30	32	11	24	19	14	18	17	31	17	259	250
TOTAL NO. OF BIRTHS.	36	22	3	10	22	21	25	12	33	46	21	251	321

a 1 Inquest. b 2 Inquests. c 3 Inquests.

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61	113	169	348 Chicken-pox	36	63	50	149
125	121	117	363 Measles	38	113	112	263
3	2	3	8Scarlatina.....	..	1	..	1
35	51	50	136 Diphtheria	89	102	149	340
..	7	5	12 Whooping-cough	2	3	2	7
1361	458	228	2047Croup.....	656	225	142	1023
6	5	5	16Diarrhoea.....	23	14	5	42
13	23	38	74Dysentery.....
.. Cholera	18	15	20	63
..Erysipelas.....
482	898	1073	2453 Puerperal Fever
27	43	65	135 Insanity	624	993	1390	3007
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				{ Accidents, and all other Diseases. }				
			 TOTAL	6229	6139	7567	19935

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FALL OF RAIN IN NOVEMBER.			Inches.		Wet Days.		Royal Infirmary, Dr. REED.		Salford Meteorolog. Observatory, T. Mackereth, Esq.		Old Trafford, G.V. VERNON, Esq.		Eccles, T. MACKERETH Esq.		Wilmslow, J. THOMPSON, Esq.		Royton, J. HEAP, Esq.		Penketh, Warrington. L. W. Reynolds Esq.	
Old Trafford ..	2.431	8																	
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Penketh	2.231	9																	
Eccles	2.159	9																	
Wilmslow	1.453	11																	
.....																	
Height of barometer cistern above sea level			130 ft.		108 ft.		123 ft.		145 ft.		251 ft.		544 ft.		44 ft.					
Barometer.			INS.		INS.		INS.		INS.		INS.		INS.		INS.		INS.		INS.	
Mean @ 32° F., and reduced to sea level			30.197		30.197		30.197		30.197		30.197		30.163		30.180		30.180		30.180	
Highest.....			30.285		30.285		30.285		30.285		30.285		30.842		30.404		30.404		30.404	
Lowest			29.699		29.699		29.699		29.699		29.699		29.226		29.794		29.794		29.794	
Range			0.586		0.586		0.586		0.586		0.586		0.616		0.610		0.610		0.610	
Temperature.																				
Adopted Mean			39.8		39.8		39.2		39.2		37.7		37.7		38.5		38.5		38.5	
Range for Week			23.8		23.8		24.2		24.2		23.1		23.1		27.4		27.4		27.4	
Daily Range			8.1		8.1		9.7		9.7		11.8		11.8		9.5		9.5		9.5	
Maximum in Shade			52.4		52.4		52.7		52.7		51.1		51.1		53.6		53.6		53.6	
Minimum in Shade			28.6		28.6		28.5		28.5		28.0		28.0		26.2		26.2		26.2	
Temperature of Dew Point			37.0		37.0		36.0		36.0		35.7		35.7		36.3		36.3		36.3	
Hygrometrical condition of the Atmosphere.																				
Degree of Humidity (Saturation—1,000)			GRS.		GRS.		GRS.		GRS.		GRS.		GRS.		GRS.		GRS.		GRS.	
Prevailing Winds			0.904		0.904		0.888		0.888		0.900		0.900		0.918		0.918		0.918	
Rain			S,SE		S,SE		NW		NW		SW		SW		S,SE		S,SE		S,SE	
Ozonometer.			0.161		0.161		0.242		0.242		1.506		1.506		0.232		0.232		0.232	
Moffat			0.00		0.00		0.43		0.43		...		...		0.00		0.00		0.00	
Schonbein .....			...		...		...		...		1.00		1.00		1.40		1.40		1.40	